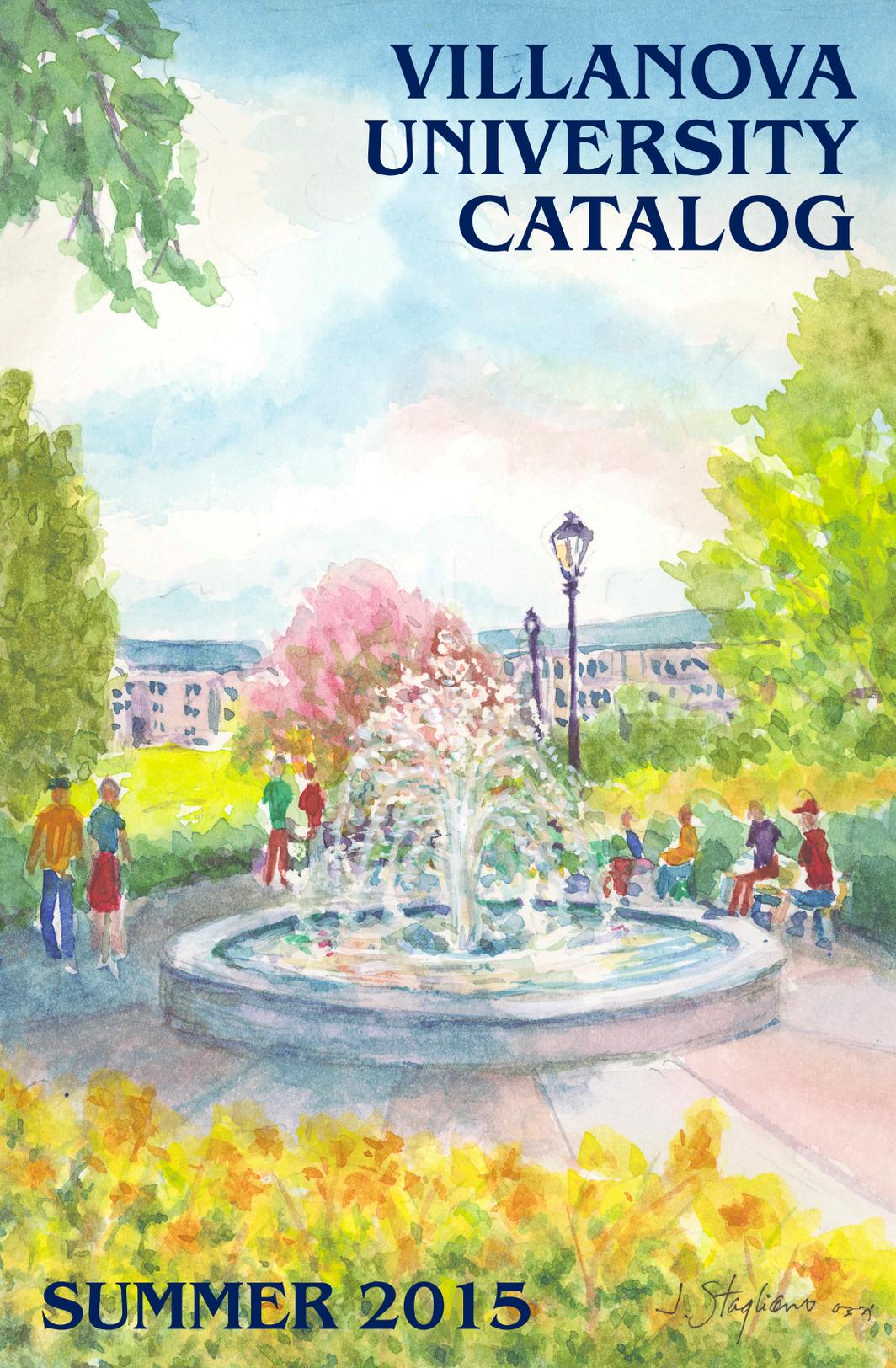


VILLANOVA UNIVERSITY CATALOG



SUMMER 2015

J. Stagliano 05/15

FRONT COVER:

The Campus Green **By: Brother Jack Stagliano, O.S.A.**

Part of the final phase of the Transformation of the Campus Landscape initiative, the Campus Green is a newly created, communal green space just outside of Corr Hall between Alumni Hall and the Falvey Memorial Library.

The Campus Green, with its serene fountain, benches and tree-lined pathways is a hub of activity throughout the academic year. Bookended by Orientation events and Commencement ceremony activities, the Campus Green is a year-round meeting place for friends.

The Campus Green, painted in the watercolor tradition begun during the Renaissance, is the 19th summer catalog cover contributed by Brother Jack.

CAMPUS SCENE

This lithograph represents Villanova c. 1887 and portrays the central location of the College building (now Alumni Hall) surrounded on the East by the extensive farm barns; on the South by the enlarged monastery (formerly Rudolph mansion) and the newly constructed Saint Thomas Church; on the West by the old Augustinian community cemetery, the "gymnasium" chapel, and the playing fields; on the North by the "Main Line" of the old Pennsylvania Railroad.



VILLANOVA UNIVERSITY CATALOG SUMMER SESSIONS 2015

GRADUATE AND UNDERGRADUATE DAY AND EVENING COURSES

Session I (010)*	May 27 – June 24
Session II (020)*	June 26 – July 27
Evening Session (030)*	May 27 – July 27

*Session numbers

Summer Sessions telephone number: (610) 519-4300
Web address: summersession.villanova.edu

While this catalog was prepared on the basis of the best information available at the time of publication, all information, including statements of fees, course offerings, admissions, and graduation requirements is subject to change without notice or obligation.

This catalog was created based on course information received by February 25, 2015. For the most updated information on courses, rooming assignments, times and details please visit: novasis.villanova.edu. Select 'Master Schedule Online Search for Classes'.

All summer courses are offered contingent on enrollment.

VILLANOVA UNIVERSITY

January, 2015

Vol. CXXXXVI No.1

An Equal Opportunity/Affirmative Action Employer

Villanova University is an affirmative action institution complying with the requirements of Executive Order 11246 as Amended by 11375; Title IX; and the Rehabilitation Act of 1973, Section 503 and 504.

WELCOME TO VILLANOVA IN THE SUMMER

The summer program at Villanova is designed to assist you to fill your academic needs in a productive yet pleasant environment. There are graduate and undergraduate courses in liberal arts, sciences, engineering, education, business and nursing. With two four-week day sessions, an eight-week evening session, internships, summer abroad programs, independent studies and weekend workshops, you are sure to find a course that fits your requirements.

Courses in the summer are open to visiting students from other colleges as well as Villanova's current graduate and undergraduate students. Members of the local community and adult students who wish to return to college, take a course for personal enrichment, expand their professional knowledge or enhance career options are encouraged to enroll in summer sessions. If you wish to reside on campus, room and board are available in our residence halls.

Together with our excellent faculty, summer students form a community of scholars dedicated to learning within an environment of academic excellence. You are welcome to join this community for the summer session and enjoy the Villanova experience.

For more information on summer sessions and assistance with registration, please visit the summer session office in room 107 Vasey Hall, call (610) 519-4300, or go to summersession.villanova.edu

— SPECIAL FOR SUMMER 2015 —

Distance Learning. Villanova Summer Session 2015 offers nearly 70 undergraduate online courses and nearly 30 graduate courses, which allow students the opportunity to earn credit towards the completion of their degrees. These online offerings take advantage of many of the latest computer and web-based technologies. See the catalog section on Distance Learning on page 81 for a complete listing of online courses.

Accordingly, Villanova makes every effort to provide students with the proper technological assistance, allowing for a complete focus on academics during Summer Sessions. Students should note the following contacts for assistance:

Before Registering

For course specific hardware/software requirements students should contact the faculty member teaching the course.

For graduate course registration students should contact the department directly.

After Registering

For questions about Blackboard access and other learning technologies, students should contact **University Technology Support Services at 610-519-7777 or email support@villanova.edu**.

For additional information, please visit the Summer Session website at summersession.villanova.edu

Villanova Summer Business Institute. Invest in your future.

The Villanova Summer Business Institute (SBI) is an intensive ten-week, sixteen-credit program for non-business college students and graduates in Liberal Arts, the Sciences, Nursing and Engineering. Villanova students earn a Business Minor while students from other institutions earn a SBI Certificate. The Program runs from late May to late July. Please see page 97 for details on this program.

TABLE OF CONTENTS

DIRECTORY	5
CALENDAR	8
GENERAL INFORMATION	10
Admission	10
Advisement	11
Tuition and Fees	12
Financial Information	13
ACADEMIC INFORMATION	15
FACILITIES AND STUDENT SERVICES	20
DEPARTMENTAL OFFERINGS	25
Accountancy and Management Information Systems	26
Arabic	54
Art and Art History	27
Astronomy and Astrophysics	27
Augustine and Culture	28
Biology	28
Chemical Engineering	33
Chemistry	33
Chinese	54
Civil and Environmental Engineering	36
Communication	38
Comprehensive Science	41
Computing Sciences	42
Counseling	46
Criminology	44
Economics	44
Education and Counseling	46
Electrical and Computer Engineering	48
English	51
Ethics	52
Finance	52
French	75
Gender and Women's Studies	80
Geography and the Environment	53
Global Interdisciplinary Studies	54
History	55
Honors	56
Humanities	56
Human Resource Development, Graduate	56
Internship	80
Italian	75
Japanese	54
Leadership	57
Liberal Studies, Graduate	58
Management and Operations	58
Marketing and Business Law	59
Masters of Business Administration	32
Mathematical Sciences	59
Mechanical Engineering	61
Nursing	62

Peace & Justice	67
Philosophy	67
Physics	69
Political Science	70
Psychology	72
Public Administration, Graduate	74
Romance Languages and Literatures	75
Russian	54
Social Sciences	77
Sociology	77
Spanish	75
Studio Art and Music	77
Theatre	77
Theology and Religious Studies	78
DISTANCE LEARNING	81
SUMMER BUSINESS INSTITUTE	97
OFFICE OF EDUCATION ABROAD	99
ADMINISTRATION	100
CITY MAP	101
HOUSING INFORMATION	102
OPTIONAL VISITING STUDENT REGISTRATION FORM	103
CAMPUS MAP	105

DIRECTORY

Villanova University is open Monday through Friday. Please check with individual offices for specific hours. The Part-Time Studies and Summer Sessions office is open from 9 a.m. to 7 p.m., Monday through Thursday, and from 9 a.m. to 12 p.m. on Friday during Summer Sessions.

The University telephone number is (610) 519-4500.

The Summer Sessions telephone number is (610) 519-4300.

The Summer Sessions Web address is summersession.villanova.edu

FOR INFORMATION ABOUT	CONSULT	PHONE
ADMISSIONS		
Full-Time Undergraduate	Office of Undergraduate Admission - Austin	610-519-4000
Part-Time Evening Undergraduate	Part-Time Studies 107 Vasey	610-519-4300
Graduate	Graduate Studies Kennedy, 2 nd floor	610-519-7090
Law School	Villanova University School of Law	610-519-7010
DEANS		
Arts and Sciences	105 St. Augustine	610-519-4600
Villanova School of Business	1045 Bartley	610-519-4330
Engineering	309 CEER	610-519-4940
Nursing	Driscoll, 1 st floor	610-519-4900
Graduate Studies	Kennedy, 2 nd floor	610-519-7090
ACADEMIC DEPARTMENTS		
Accountancy and Management Information Systems	3017 Bartley	610-519-4340
Art History	403 St. Augustine	610-519-4660
Astronomy & Planetary Science	456 Mendel	610-519-4820
Augustine & Culture	104 St. Augustine	610-519-7325
Biology	152A Mendel	610-519-4830
Chemical Engineering	215 White	610-519-4950
Chemistry	215 Mendel	610-519-4840
Civil Engineering	139 Tolentine	610-519-4960
Communication	28 Garey	610-519-4750
Comprehensive Science	372 St. Augustine	610-519-4845
Computing Sciences	161 Mendel (Graduate)	610-519-7310
Counseling	302A St. Augustine	610-519-4620
Criminology, Graduate	287 St. Augustine	610-519-4741
Economics and Statistics	2015 Bartley	610-519-4370
Education & Counseling	302 St. Augustine	610-519-4620
Electrical Engineering	411 Tolentine	610-519-4970
English	402 St. Augustine	610-519-4630
Ethics	104 St. Augustine	610-519-4692
Finance	2019 Bartley	610-519-7395
Gender and Women's Studies	488 St. Augustine	610-519-3815
Geography & the Environment	G67 Mendel	610-519-3336
Global Interdisciplinary Studies	35 Garey Hall	610-519-6302
History	403 St. Augustine	610-519-4660
Humanities	304 St. Augustine	610-519-6165

Human Resource Development, Graduate	119 St. Mary's	610-519-4660
Human Services	302 St. Augustine	610-519-4620
Internship	415 St. Augustine	610-519-4232
Leadership	107 Vasey	610-519-4300
Liberal Studies, Graduate	127 St. Augustine	610-519-6936
Management and Operations	2083 Bartley	610-519-6924
Marketing and Business Law	3015 Bartley	610-519-4350
Masters of Business Administration	1074 Bartley	610-519-4336
Mathematical Sciences	305 St. Augustine	610-519-4850
Mechanical Engineering	131 Tolentine	610-519-4980
Nursing	Driscoll	610-519-4900
Peace & Justice	Corr, 1st floor	610-519-6849
Philosophy	108 St. Augustine	610-519-4690
Physics	347 Mendel	610-519-4860
Political Science	202 St. Augustine	610-519-4710
Psychology	334 Tolentine	610-519-4720
Public Administration, Graduate	202 St. Augustine	610-519-8901
Romance Languages and Literatures	303 St. Augustine	610-519-4680
Social Sciences	105 St. Augustine	610-519-4737
Sociology	204 St. Augustine	610-519-4740
Studio Art and Music	487 St. Augustine	610-519-4760
Theatre	205 St. Augustine	610-519-4760
Theology and Religious Studies	203 St. Augustine	610-519-4730
ADVISOR TO STUDENTS WITH DISABILITIES	Connelly Center, 2nd Floor	610-519-4095
BOOKSTORE	The University Shop Kennedy, 1st floor	610-519-4160
CAMPUS MINISTRY	Campus Ministry Center St. Rita's, lower level	610-519-4080
CAREER CENTER	Career Center Garey	610-519-4060
CONTINUING STUDIES	Continuing Studies Stanford	610-519-4310
THE PATRICIA B. & GARY M. HOLLOWAY UNIVERSITY COUNSELING CENTER	Health Services Building	610-519-4050
FINANCIAL ASSISTANCE	Financial Assistance Kennedy, 2nd floor	610-519-4010
HEALTH SERVICES	Health Services Building	610-519-4070
HOUSING SERVICES	Residence Life Kennedy, 2nd floor	610-519-4150

ID CARDS	WildCard Office Dougherty, 1st floor	610-519-5031
LIBRARY	Falvey Memorial Library	610-519-4270
LOST AND FOUND	Public Safety Farrell, 1st floor	610-519-6985
PUBLIC SAFETY	Farrell, 1st floor	610-519-6979
REGISTRATION	Registrar's Office 202 Tolentine	610-519-4030
SUMMER SESSION	Summer Session Office 107 Vasey	610-519-4300
TRANSCRIPT REQUESTS	Registrar's Office 202 Tolentine	610-519-4046
TUITION AND FEES	Bursar's Office Kennedy, 1st floor	610-519-4258

CALENDAR

SUMMER SESSIONS 2015

MAY							JUNE							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6			1	2	3	4		
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30	26	27	28	29	30	31					
31																				

SESSION I MAY 27 – JUNE 24

Wednesday, March 11	Summer Registration begins
Tuesday, May 26	Final registration for Summer Session I, 12-5 p.m., Vasey Hall, room 107. <i>Please note that some student services offices close between 4:00 p.m. and 5:00 p.m.</i> Late fee applies after this date.
Wednesday, May 27	Classes begin
Friday, May 29	Last day for late registration and for dropping or adding courses
Monday, June 15	Last day for withdrawing from courses or changing from credit to audit
Wednesday, June 24	Final examinations will be held on June 24 th or the last scheduled class day
Wednesday, July 1	Final Grades due
Friday, July 24	Last day for "N" grade conversion to be received by Registrar

EVENING SESSION MAY 27 – JULY 27

Wednesday, March 11	Summer Registration begins
Tuesday, May 26	Final registration for Evening Session III, 12-5 p.m., Vasey Hall, room 107. <i>Please note that some student services offices close between 4:00 p.m. and 5:00 p.m.</i> Late fee applies after this date.
Wednesday, May 27	Classes begin
Thursday, June 4	Last day for late registration and for dropping or adding courses
Friday, July 3	Independence Day holiday. No classes scheduled
Thursday, July 9	Last day for withdrawing from courses or changing from credit to audit
Monday, July 27	Final examinations will be held on July 28 th or the last scheduled class day
Wednesday, August 5	Final Grades Due
Thursday, August 27	Last day for "N" grade conversion to be received by Registrar

SESSION II JUNE 26 – JULY 27

Wednesday, March 11	Summer Registration begins
Thursday, June 25	Final registration for Summer Session II, 12-5 p.m., Vasey Hall, room 107. <i>Please note that some student services offices close between 4:00 p.m. and 5:00 p.m.</i> Late fee applies after this date.
Friday, June 26	Classes begin
Tuesday, June 30	Last day for late registration and for dropping or adding courses
Friday, July 3	Independence Day Holiday. No classes scheduled
Thursday, July 16	Last day for withdrawing from courses or changing from credit to audit
Monday, July 27	Final examinations will be held on July 28 th or the last scheduled class day
Wednesday, August 5	Final Grades Due
Thursday, August 27	Last day for "N" grade conversion to be received by Registrar

SPECIAL DATES FOR GRADUATE STUDIES

Friday, May 22	Last day for application for language examination, made in office of the Department of Romance Languages and Literatures. Last day for application for comprehensive examination, made in the office of the department chairperson.
Saturday, June 6	Language examination, 1:00 p.m.
Monday, June 15	September Graduation Deadline - Last day for application (online through MyNova) for graduation for students expecting to complete degree requirements by the end of the Summer Semester
Saturday, July 11	Recommended date for written comprehensive examination; hours and place determined by program.
Friday, July 24	Thesis/dissertation in final form due in the Graduate Studies Office for those students expecting to complete degree requirements by the end of Summer Sessions. (Students must then post online.)
Monday, July 28	Last day for "N" grade conversion to be received by Registrar for Summer Session I.
Thursday, August 27	Last day for "N" grade conversion to be received by Registrar for Summer Session II and Evening Session (SS III).

Please Note: Regulations concerning refunds for the summer sessions may be found in the Summer Sessions Catalog (www.gradartsci.villanova.edu)

All summer classes are scheduled contingent on sufficient enrollment.

GENERAL INFORMATION

VILLANOVA UNIVERSITY SUMMER SESSIONS

Villanova University was founded by the Augustinian Order in 1842. The University traces its origins to old St. Augustine's Church in Philadelphia, which the Augustinians founded in 1796, and to its parish, St. Augustine's Academy, established in 1811.

In 1842 the Augustinians purchased "Belle Air," the country estate of John Rudolph, a Revolutionary War officer and Philadelphia merchant. There they established the "Augustinian College of Villanova," under the patronage of St. Thomas of Villanova, a sixteenth-century Augustinian educator and Bishop of Valencia, Spain. Eventually the college came to be known as Villanova and gave its name to the town that grew up around it.

Villanova is committed to Catholic traditions and the educational heritage of the Augustinian Order. The University provides a Christian intellectual and moral environment, but maintains a strong respect for the beliefs of its diverse community of faculty members, students and staff.

Villanova comprises four undergraduate colleges: Arts and Sciences, the Villanova School of Business, Engineering, and Nursing, and the Division of Part-Time Studies. The University is also comprised of Graduate Studies and the Law School.

Villanova's Summer Sessions program was inaugurated in 1918 to assist students in accelerating their academic programs. Since that time, Summer Sessions enrollment has increased from 70 to over 4,000 students. The undergraduate and graduate sessions attract hundreds of students from other colleges and universities, and part-time as well as full-time Villanova students.

By taking the maximum number of courses allowed in the three Summer Sessions, an undergraduate student can complete a credit load equivalent to that of a traditional semester. Course requirements are the same as those stipulated in the University Catalog. Most of the courses are taught by full-time Villanova faculty.

LOCATION

Villanova University is in Villanova, Pennsylvania, on Lancaster Avenue (U.S. Route 30). Six miles west of Philadelphia, the University is only half an hour away from Center City. The Villanova campus of over 240 acres is in an attractive residential area. The University buildings are large stone structures with modern equipment.

Public transportation to and from campus includes two trains, the Paoli Local and the Norristown High-Speed Line of the Southeastern Pennsylvania Transportation Authority. SEPTA also operates bus route 105 through the campus.

Villanova is a short drive from the Norristown exit of the Pennsylvania Turnpike via Rt. 476 south to the Villanova exit, then east on Rt. 30.

ADMISSION

Admission into Villanova is separate from the registration process and should be accomplished prior to registration.

Students interested in graduate or undergraduate academic year programs should contact the appropriate admissions office for information, programs of study, and requirements for admission and graduation. Students seeking degree status must meet admission standards and supply the necessary credentials.

VISITING STUDENTS

Non-matriculating students who attend the Summer Sessions only (including students from other colleges and universities) may enroll in undergraduate classes through a simple online application and registration process.

Anyone interested in enrolling in graduate classes must submit an on-line application, a letter from their graduate dean, and a current transcript for admission to Graduate Studies.

Enrollment in a Summer Session does not imply acceptance as a degree candidate in any division of Villanova University.

ADVISEMENT

- 1) **Current Villanova Students.** Undergraduates, including Part-Time Studies students, both degree and non-degree, **may register on the web, via myNOVA, after consulting with their academic advisor and obtaining their Registration Pin for Summer 2015.** Graduate students must have their registration forms signed by the department chair, their department advisor, or their program director. Villanova undergraduates wishing to take a graduate course must have senior status, a 3.0 cumulative average, and permission of the instructor, course chair, advisor, student's dean, and graduate dean in order to enroll in graduate courses.
- 2) **New Villanova Students.** Undergraduate students who have been admitted to the University for the 2015 fall semester **must have their registration approved by their academic dean.** Graduate students who have been admitted must have their registration forms signed by their department chair, their department advisor, or their program director. Graduate students who have been admitted for the Fall 2015 semester but wish to begin their studies in the Summer 2015 session must request to have their admit term adjusted in the Dean's office.
- 3) **Students from Other Universities and Colleges** who wish to transfer Villanova summer credits to their schools should make appropriate arrangements with officials at their schools. Visiting students should go to summersession.villanova.edu and click Apply Now to complete an application. Students wishing to complete the Optional Visiting Student Registration Form please visit summersession.villanova.edu for the form or the back of the catalog. For graduate students, a current transcript and a letter from their dean to the Graduate Studies Office of Villanova University is required. Certain graduate courses have prerequisites, and visiting students must be approved by the department chair and the Graduate Studies Office before admittance.

Students dismissed from Villanova University may not attend Summer Sessions.

DEADLINES FOR REGISTRATION AND PAYMENT OF TUITION AND FEES

(Summer Registration begins Wednesday, March 11, 2015)

In-Person Registration is for undergraduate students only.

Session	Session Starting Date	In-Person Registration Dates Late Fee Applies After These Dates
Session I	May 27	May 26 12-5 p.m. 107 Vasey Hall
Evening Session	May 27	May 26 12-5 p.m. 107 Vasey Hall
Session II	June 26	June 25 12-5 p.m. 107 Vasey Hall

ADVANCE REGISTRATION/BILLING SCHEDULE

Payments are due no later than the first day of class. This requirement applies to all students, including those who register too late to receive a bill. Students may also register and pay at In-Person Registration. All students must create a "V-bill" account to view their bill. Go to: www.bursar.villanova.edu to sign up.

To complete the registration process, advance registered students must pay their accounts by the first day of class or they are subject to a late payment fee.

After the registration process is completed, the student should report to the classroom at the times indicated on line.

LATE PAYMENT FEE

A Late Payment fee is charged to any account that is not paid in full by the official first day of class.

LATE REGISTRATION

Registrations will not be accepted after May 29 for the First Session, June 4 for the Evening Session, and June 30 for the Second Session.

OPTIONAL VISITING STUDENT REGISTRATION FORM

There is a registration form on the last page of this Catalog. Registration forms may be obtained at the following offices: the Registrar's Office, 202 Tolentine Hall (610-519-4032) and the Summer Sessions Office, 107 Vasey Hall (610-519-4300). Registration forms may also be requested by telephone or by mail. Registration forms are also available online at summersession.villanova.edu.

Current Villanova students should register via MyNOVA.

IDENTIFICATION CARDS/WILDCARD

Photo Identification cards for students attending Villanova for the first time will be taken at the Wildcard Office in Dougherty Hall (610-519-6202) Monday to Thursday 8:00 a.m. to 5:00 p.m. or 8:00 a.m. to 12:00 p.m. on Friday. You can also apply for your Photo Identification card online at www.villanova.edu/photo. To learn more about Villanova's WILDCARD visit www.villanova.edu/wildcard

FINANCIAL INFORMATION

TUITION* (PER CREDIT)

UNDERGRADUATE

Full Time Villanova Students/Visiting Students

Arts/Science/Nursing	\$980
Villanova School of Business	\$980
Engineering	\$980

Part-Time Studies Division Students

Arts/Science	\$570
Villanova School of Business	\$570

GRADUATE

Arts, Mathematics.	\$750
Science	\$750
Nursing	\$837
Engineering	\$1,210

OTHER FEES*

General fee	
Graduate	\$50
Undergraduate	\$15
Late Registration fee	\$25
Reinstatement fee (1)	\$250

*Subject to change at the discretion of the University Administration. Financial obligations are not considered satisfied until checks have cleared the bank; a collection charge of \$30 is imposed for all checks not accepted by the bank.

(1) A reinstatement fee will be charged for students requesting reinstatement after being officially dropped for failure to complete registration requirements. Registration requirements include payment or making appropriate financial arrangements with the Bursar's Office. Students are financially responsible for all courses in which they register. Other conditions may also apply.

FINANCIAL ASSISTANCE

Director: Bonnie Lee Behm
Office location: Kennedy Hall, second floor
Office hours: 8:30 a.m. to 5:00 p.m., Monday through Friday
Telephone: (610) 519-4010
FAX: (610) 519-7599
email: finaid@villanova.edu
website: www.finaid.villanova.edu

Federal Direct, (subsidized and unsubsidized) Federal Direct PLUS and Alternative Loans are available to eligible undergraduate students who are enrolled at least half-time in summer courses at Villanova University. Federal Direct Unsubsidized Loans and Federal Direct Graduate PLUS loans are available to graduate students who are matriculated and enrolled in at least 3 credits. Federal Pell Grants and summer state grants may also be available. In order to be considered as an eligible applicant the student must be accepted into a degree seeking program at the University, be enrolled at least half-time and making satisfactory academic progress. Half-time is 6 credits per semester. Students receiving degrees from other colleges and universities who are taking summer courses at Villanova and wish to obtain financial assistance should contact the financial aid office at their home institution.

Villanova University undergraduate students interested in applying for summer term loans (Federal Direct, (subsidized and unsubsidized), Federal Direct PLUS or Alternative Loans) must contact the Office of Financial Assistance for instructions on applying for aid for this period.

Questions concerning eligibility and the application process should be directed to the Office of Financial Assistance.

REFUNDS

The dropping of any course for which a student is registered is official only when the academic dean has signed the proper form for Villanova students. The Director of Summer Sessions signs the form for visiting students.

Students who have executed the required withdrawal forms (see WITHDRAWAL, p.15), will be charged tuition at the following rates.

Session I (May 27-June 24)

Withdrawal within 24 hours of first scheduled class day NO CHARGE
Withdrawal on or before June 3. student will be charged 25%
Withdrawal after June 3. student will be charged 100%

Evening Session (May 27-July 27)

Withdrawal within 24 hours of first scheduled class day NO CHARGE
Withdrawal on or before June 3. student will be charged 25%
Withdrawal after June 3. student will be charged 100%

Session II (June 26-July 27)

Withdrawal within 24 hours of first scheduled class day NO CHARGE
Withdrawal on or before July 5 student will be charged 25%
Withdrawal after July 5 student will be charged 100%

THE PERCENT OF TUITION CHARGED IS BASED ON TOTAL TUITION CHARGES, EXCLUSIVE OF FEES; NON-ATTENDANCE OF CLASS DOES NOT CONSTITUTE OFFICIAL WITHDRAWAL.

All financial transactions are conducted between the student and Villanova University. Refund checks are made payable to the student.

Based on the above schedule, students who are eligible for a refund must either present in person or mail a written refund request to the Student Account Specialist, Bursar's Office, Kennedy Hall, Villanova University, Villanova, PA 19085, 610-519-4258.

ROOM AND BOARD CHARGES: SUMMER SESSIONS ONLY

(For Summer Housing see Page 102)

Room and Board Rates:

Will be posted at <http://www1.villanova.edu/villanova/studentlife/reslife/rates.html> after March 1, 2015.

ACADEMIC INFORMATION

ADD/DROP

Current Villanova students and visiting students wishing to add a course, to change a course or section for another course or section, or to drop a course, may do so in myNova using the summer registration access code that was issued.

Adding or changing courses or sections is not permitted after May 29 for the First Session; June 4 for the Evening Session; and June 30 for the Second Session.

WITHDRAWAL

Any student may withdraw from a course without academic penalty after obtaining the approval of the appropriate dean. The last day for an authorized withdrawal is as follows:

Summer Session I ~ June 15; Evening Session ~ July 9; and Summer Session II ~ July 16.

After these periods, students may request withdrawal from any course up to and including the last class day of each session. A Villanova student who wishes to withdraw from courses must give the appropriate dean a written statement of cause for withdrawal and the written recommendation of the instructor and the instructor's chairperson. For all students in Graduate Liberal Arts and Sciences, a request for a withdrawal after the deadline requires documentation of a non-academic reason for the withdrawal. Withdrawal will be contingent upon the approval of the student's dean. Visiting students (those not enrolled in the University during the regular academic year), must obtain approval from the Director of Summer Sessions.

All withdrawals must be made in person or in writing. No withdrawals will be accepted over the telephone.

When authorizing a withdrawal after the add/drop period, a dean may assign a grade of W or WX to the student.

The grade of Y is given for any undergraduate course from which a student withdraws without approval.

Withdrawal from a course does not imply a waiver of financial obligations. Please refer to the refund schedule.

WITHDRAWAL FROM THE UNIVERSITY

A Villanova student requests withdrawal from the University by a letter to the appropriate dean. A student who withdraws from a program cannot resume studies until formal readmission to the University is granted.

Withdrawal from the University should not be confused with changes in registration status.

AUDIT

Auditors pay the same fees and tuition as matriculating students. Students wishing to audit a course must fill out an "AUDIT" form in the Registrar's Office, Tolentine Hall, Room 202. Evening students may complete the "AUDIT" form in the Part-Time Studies Office, Vasey Hall, Room 107. The auditing student is not responsible for course examinations and assignments, but must attend all class and laboratory sessions. Courses taken as "audit" will not count towards any degree requirements.

A student who has registered for credit and wishes to change his registration to audit must do so in the first half of the course. Students are not permitted to change their registration status from credit to audit after June 15 for Session I, July 9 for the Evening Session, and July 16 for Session II.

Visiting students who plan to have summer courses transferred to another school are advised not to audit a course unless approval is granted from that school.

SATISFACTORY/UNSATISFACTORY OPTION

A student may elect to take some of the undergraduate courses offered on a Satisfactory/Unsatisfactory basis after securing approval at the appropriate dean's office. Visiting students who plan to have summer courses transferred to another school are advised not to elect the Satisfactory/Unsatisfactory option unless approval is granted from that school.

The grade (S) is equal to the grade C or better; the grade (U) is equivalent to a failure.

Neither (S) nor (U) affects the student's Quality Point average.

Students who elect the Satisfactory/Unsatisfactory option must fill out a Satisfactory/Unsatisfactory form in the Registrar's Office, Tolentine Hall, Room 202. Evening students may complete the Satisfactory/Unsatisfactory form in the Office of Part-Time Studies, Vasey Hall, Room 107.

A student must elect the Satisfactory/Unsatisfactory option by the end of the add/drop period. This is May 29 for the First Session, June 4 for the Evening Session, and June 30 for the Second Session. A letter grade is not recorded for a course taken on a "Satisfactory/Unsatisfactory" basis.

CLASS ATTENDANCE

The intensive nature of summer study does not generally allow for absences. It is the responsibility of the student to ascertain the attendance policy of each Summer Session instructor. Ignorance, misunderstanding or misinformation of an instructor's attendance policy is not a reason for reconsideration of a grade.

COURSE NUMBERING

Courses numbered 0001 to 6999 are undergraduate courses. Courses numbered 7000 to 7999 are graduate courses to which undergraduate students are admitted with the permission of the department chairman and the Dean of the Graduate School. Courses numbered 8000 to 9999 are limited to graduate students.

CREDIT

Courses offered in the Summer Sessions carry full academic credit.

COURSE CANCELLATIONS

All summer courses are offered contingent on sufficient enrollment. The University reserves the right to cancel all courses for which there is insufficient enrollment.

CLASS LOAD

Two courses constitute a maximum full-time program in each regular Summer Session. Fifteen credit hours constitute a maximum full-time program in a combination of day and evening courses.

FINAL EXAMINATIONS

Final examinations are obligatory in most courses. They are held on the last scheduled class day of each session, in the same classroom used during the regular Summer Session classes.

GRADE REPORT

Grades are available through myNOVA at the end of each session. Visiting students may order official transcripts from their myNOVA account or by creating a transcript account at www.iwantmytranscript.com/villanova at any time after grades have been released. **Any grading inaccuracies must be reported to the Registrar within two weeks.** The official grade report is part of the student's cumulative record.

GRADING SYSTEM

The scale of marks is as follows:

UNDERGRADUATE

- A is the highest academic grade possible; an honor grade which is not automatically given to a student who ranks highest in the course, but is reserved for accomplishment that is truly distinctive and demonstrably outstanding. It represents a superior mastery of course material and is a grade that demands a very high degree of understanding as well as originality or creativity as appropriate to the nature of the course. Student works independently with unusual effectiveness and often takes initiative in seeking new knowledge outside the formal the initiative in seeking new knowledge outside the formal confines of the course.

A-	
B+	
B	is a grade that denotes achievement considerably above acceptable standards. Good mastery of course material is evident and student performance demonstrates a high degree of originality, creativity, or both. Student works well independently and often demonstrates initiative. Analysis, synthesis, and critical expression, oral or written, are considerably above average.
B-	
C+	
C	indicates a satisfactory degree of attainment and is the acceptable standard for graduation from college. It is the average grade that maybe expected of a student of average ability who gives to the work a reasonable amount of time and effort. This grade implies familiarity with the content of the course and acceptable mastery of course material. Student displays some evidence of originality, creativity, or both. Student works independently at an acceptable level and completes all requirements in the course.
C-	
D+	
D	denotes a limited understanding of the subject matter, meeting only the minimum requirements for passing the course. It signifies work which in quality and/or quantity falls below the average acceptable standard for the course. Performance is deficient in analysis, synthesis, and critical expression; little evidence of originality, creativity, or both.
D-	
F	indicates inadequate or unsatisfactory attainment; serious deficiency in understanding of course material and failure to complete requirements of the course.
N	Incomplete
S	Satisfactory. Assigned in Satisfactory/Unsatisfactory courses.
SP	Satisfactory Progress
WX	Approved withdrawal without penalty
W	Approved withdrawal with penalty
U	Unsatisfactory. Assigned in Satisfactory/Unsatisfactory courses.
AU	Audit
Y	Unofficial withdrawal from course (or for freshmen, failure for excessive absences).
NG (or blank)	No grade reported
NF	Failure to remove incomplete (N) or no grade (NG), unofficial withdrawal
OC	Indication of Off-Campus enrollment, effective Fall 2012

GRADUATE

Grades are available through myNOVA at the end of each session. Students may view grades once submitted. Official Transcripts may be ordered via myNOVA at anytime after grades are posted. Any grading inaccuracies must be reported to the Registrar immediately. The official grade report is part of the student's cumulative record.

The work of the student is graded according to the following scale:

A	Outstanding	F	Failure
A-		WX	Approved Withdrawal
B+		N	Incomplete
B	Good	AU	Audit
B-		NF	Failure to remove incomplete (N) or no grade (NG), unofficial withdrawal
C+			
C	Fair	OC	Indication of Off-Campus enrollment effective Fall 2012
C-	grade is not used by the Graduate Studies Program.		

Courses taken as "audit" will not count towards any degree requirements in the Graduate Studies Program.

INCOMPLETE GRADES

An incomplete grade (N) is given when a student is ill or is justifiably delayed in completing course work. Grades to replace N grades must be in the Registrar's Office within 30 days of the session's end. Unconverted N's and NG's become NF's. Students must complete work to replace the N grade and a Grade Change must be received by the Registrar's Office within 30 days of the session's end. Without the approval of the student's instructor, department chairperson and dean, no grade higher than C may replace an N. The last day of class is the officially scheduled final exam day.

TRANSCRIPTS

Students may obtain transcripts of their records by ordering them online via their myNOVA account. Log into MyNOVA, click on the Student Tab and scroll down to the Order a Transcript link. Select Undergraduate/Graduate Transcript from the menu items and complete the order online. Current student transcripts may be ordered for pick up, mailing or electronic delivery. Students and Alumni without myNOVA accounts order transcripts online through www.iwantmytranscript.com/villanova and setting up a transcript ordering account. Telephone and email requests cannot be accepted. Official transcripts bear the seal of the University and the signature of the Registrar. Those given, mailed or electronically delivered to the student are stamped with a statement which points out this fact. Transcripts will not be released for persons whose financial accounts are not clear in the Bursar's Office. There is a \$3.00 transcript fee per transcript plus a \$3.00 ordering fee per transcript recipient address payable by credit or debit card through the online ordering process.

STUDENTS' RIGHTS TO THEIR RECORDS

Family Educational Rights and Privacy Act of 1974, Public Law 93-380, as amended, provides that Villanova University students have: (1) the right to inspect their educational records that are maintained by Villanova University; (2) the right to a hearing to challenge the contents of those records when they allege the records contain misleading or inaccurate information; (3) the right to give their written consent prior to the release of their records to any person, agency, or organization other than University officials and certain authorized federal and state authorities. Information about specific procedures is available upon request from the Registrar's Office.

Information concerning the following items about individual students is public and may be released by the Office of the Registrar without the student's consent: full name, major field of study, dates of attendance, class year, degrees and awards received, most recent educational institution attended.

Students who do not wish such information to be released should inform the Registrar's Office in writing at the time the information is originally sought from students.

POLICY AND REGULATIONS

Adherence to University regulations, set forth in the University Catalog and Student Handbook (*The Blue Book*), is required for successful completion of a program of studies at Villanova. The University reserves the right, under appropriate procedures, to require the withdrawal of any student whose conduct is unsatisfactory.

VETERANS

The Registrar's Office (Room 203, Tolentine Hall) serves as a liaison between the University and the Veterans Administration, except in the case of Law and Continuing Studies students who work with the Law School Registrar and Office of Continuing Studies, respectively.

Students (veterans) who will be enrolling in the college for the first time must contact the appropriate office (Registrar, Law Registrar, or Office of Continuing Studies) to file their application with the Veterans Administration. Application for VA Benefits is available online through the Department of Veteran Affairs VONAPP online application. After the student has registered for the appropriate courses, the enrollment certification will be transmitted to the Veterans Administration to secure payment of benefits to the veteran. Veterans who transfer from another institution must complete the form "Request for Change of Program or Place

of Training," available online through the Department of the VA VONAPP online application process. The veteran must submit the signature page of the completed application together with the course information to the respective University office. The enrollment certification will then be transmitted to the Veterans Administration to secure payment of benefits to the veteran. It is the Veteran Student's responsibility to notify the appropriate University Office each semester after they have registered that they plan to continue to use their VA benefits, so that their credits may be certified with the VA in a timely manner.

MyNOVA

MyNOVA is the Villanova University Student Information Portal, a secure web browser based system used by students, faculty, staff and alumni. All new students, including Visiting students, are issued an account in myNOVA where they may register for classes, drop/add classes, view class schedules, grades, financial information, and order transcripts. The Office of University Information Technologies (UNIT) notifies all new students by email how they may access their myNOVA account, as well as University email account information and access.

FACILITIES AND STUDENT SERVICES

BOOKSTORE/UNIVERSITY SHOP

Director: Rachel Maciag (610) 519-4160

The University Shop, located on the first floor of Kennedy Hall, is a complete university store, servicing students, faculty and staff. In addition to course books, the shop offers school supplies, reference materials, computer products & accessories, personal items, Villanova emblematic gifts and sportswear.

The University Shop is open from 8:00 a.m. to 6:00 p.m. Monday through Thursday, 8:00 a.m. to 5:00 p.m. on Friday, 10:00 a.m. to 4:00 p.m. on Saturday and 11:00 a.m. to 4:00 p.m. on Sunday. The University Shop will be closed on Memorial Day and Independence Day. Please call or see signs at store entrance for details about these dates or check the web site at www.villanovabookstore.com.

CAMPUS MINISTRY

Villanova University encourages faith development and practice among all members of the campus community. The University is a Roman Catholic, Augustinian institution which welcomes people of all religious traditions.

Center for Spirituality and Worship: Linda Jaczynski: linda.jaczynski@villanova.edu
The Center for Spirituality and Discernment reverences the spiritual journey of all peoples and offers programs, workshops, spiritual direction and retreats that encourage reflection and understanding of personal faith. Through ritual and worship, education and leadership we are uniquely responsible for the training of Liturgical Ministers, the implementation of weekly and University wide liturgies according to our Catholic tradition while reaching out to people of all faiths that are part of the University Community.

Center for Service and Social Justice: Irene King: irene.king@villanova.edu
The Center for Service and Social Justice engages the Villanova community in working for the common good with poor and marginalized people throughout the world. The Center provides opportunities to work weekly with local partner organizations, travel during school breaks to learn from and work with communities in struggle domestically and internationally, and participate in advocacy that aims to change the structures that create human suffering. Education about social justice issues and their connection to faith is built into every program. All faith backgrounds are welcome!

Center for Pastoral Ministry Education and Internship:
Joyce Zavarich: joyce.zavarich@villanova.edu
The Center for Pastoral Ministry Education and Internship responds to the growing need to serve the Church by educating the people of God and training leaders through rigorous theological and ministerial education. The Center offers a community of support, education, and engagement in pastoral ministry and theological knowledge with an emphasis on the union of the mind and heart.

Location: St. Rita Hall 610-519-4080 Hours: M-F 9:00 a.m.-5:00 p.m.

LITURGICAL LIFE

Daily Mass - Session I & II

12:05 p.m. & 5:30 p.m. Monday – Saturday: Corr Chapel

Saturday Vigil

5:00 p.m. St. Thomas of Villanova Rosemont Church 610-525-4801

Sundays

7:30 a.m. St. Thomas of Villanova Church (on campus)

10:30 a.m. St. Thomas of Villanova Church (on campus)

7:00 p.m. St. Thomas of Villanova Church (on campus)

CAREER CENTER

Executive Director: Nancy Dudak (610-519-4060)

The Career Center is open year round to work with matriculated students. Internship and full-time positions continue to be posted, and counselors are available to meet with students. Visiting students are encouraged to work with the Career Center at their home institution. The Career Center is located in Garey Hall and is open from 9:00 a.m. to 5:00 p.m., Monday through Friday.

CONNELLY CENTER

Director: Anthony Alfano (610-519-7270)

The spacious Connelly Center provides a variety of facilities and services to Villanova faculty, students, staff, and alumni. The Center houses an information desk, meeting rooms, cinema, cyber lounge, art gallery and a number of lounges for studying and relaxation. Dining Services offers a wide variety of foods including complete breakfasts and lunches in the Belle Air Terrace and Freshens which offers energy drinks and ice cream. The Connelly Center also has an electronic banking machine as well as a Convenience/Video Rental Store.

A schedule of the Center's hours is posted at the information desk.

THE PATRICIA B. & GARY M. HOLLOWAY UNIVERSITY COUNSELING CENTER

Executive Director: Joan G. Whitney, Ph.D. (610-519-4050)

Associate Director: Norman Pitt, Ph.D. (610-519-4050)

The Counseling Center is located in the Health Services Building, Room 206 (across from Bartley Hall). Psychologists are available daily to discuss personal, emotional or psychological concerns with students, in a confidential setting, and to provide referral for longer-term counseling.

The Counseling Center is open 9:00 a.m. to 4:00 p.m. Monday through Thursday and 9:00 a.m. to 12:00 p.m. Fridays, and is available to undergraduate and graduate students. Please call the Center for further information.

DINING SERVICES

Directors: Tim Dietzler (610-519-6185)

Michael McGuckin (610-519-6185)

Main Office located in Dougherty Hall, Room 106

Phone: 610-519-4170 Email: diningservices@villanova.edu

Breakfast, Lunch and Dinner will be served daily at Dougherty Hall during the summer session. Please refer to our website www.diningservices@villanova.edu for the hours of operation of this location and our retail locations for the most up to date information. All locations accept Cash, Nova Bucks, Visa and Mastercard for payment. Dougherty Hall will also accept Meal Plans.

Retail locations include:

- **CONNELLY CENTER**
Belle Air Terrace
Holy Grounds Gourmet Coffee Bar
Freshens Yogurt and Smoothies
- **ST. MARY'S**
Second Storey Convenience Store
- **BARTLEY HALL**
The Exchange
- **CEER**
Holy Grounds Gourmet Coffee Bar
- **LAW SCHOOL**
Law School Café
Legal Grounds Gourmet Coffee Bar
- **DOUGHERTY HALL**

HEALTH SERVICES

Director: Mary McGonigle, D.O. (610-519-4070)

Medical Director: Brian Bullock, M.D.

The Student Health Center is located on the third floor of the Health Services Building. During the summer session, the Health Center is open from 8:00 a.m. until 4:00 p.m. Monday through Thursday and open from 8:00 a.m. until 12:00 noon on Fridays. The Health Center is closed for lunch from 12:00 p.m. to 1:00 p.m. Monday through Thursday. Appointments are strongly encouraged. Appointments for allergy injections are required and injections are given only when the physician is present. Medications and laboratory studies are the financial responsibility of the student. If medically necessary, emergency care and inpatient hospital care are available at local hospitals.

HOUSING SERVICES

Assistant Director for Housing Services: Marie Schauder

Contact Information: (610)-519-4150 or marie.schauder@villanova.edu

Summer Housing Application Process:

Villanova has a limited number of housing spaces available for students during the summer who are enrolled in Summer School or the Summer Business Institute, working for the Summer Research Program or participating in a local Summer Internship Program. Students interested in obtaining on-campus housing for the summer must complete a Summer Housing Application which can be found at www.housing.villanova.edu. Non-Villanova students or newly admitted students who do not have a Villanova Username and Password should contact the Office for Residence Life at residencelife@villanova.edu to request access to the application.

For the Summer Housing Application Process and Detailed Information – see Page 98.

ADVISOR TO STUDENTS WITH DISABILITIES

Advisors: Stephen McWilliams, Ph.D. (610-519-4095), Gregory Hannah (610-519-3209)

The Office for Human Services provides support and assistance for students with physical disabilities and to insure Villanova University's compliance with the American with Disabilities Act. The office provides reasonable accommodations for students with special needs. To receive assistance, students must provide documentation about their disability to our office. We ask students to register with us at the beginning of each semester. Our office is located in the Connelly Center on the 2nd floor. Additional information can be found on the Villanova website.

LIBRARY

Library Director: Millicent Gaskell, M.S. (610-519-4290)

Falvey Memorial Library, an award winning academic library of excellence, is the gateway to academic information resources and services for students, faculty and staff. It is focused on enhancing the unique experience one has while studying at Villanova University. Go to <https://library.villanova.edu> to find us on the Web.

The Library provides a wide range of services to the university community, in addition to the acquisition, organization and maintenance of print & online collections pertinent to university curricula and research activities:

- Reference and research assistance
- Course Reserve materials (print and digital)
- Inter-Library Loan and E-Z Borrow services

The physical library collection has more than 700,000 printed volumes, including books and historical runs of major academic journals. Web-accessible resources include over two hundred general and discipline-specific research databases, approximately ten thousand full text electronic journals, and extensive microfilm and audiovisual collections. Online collections also include almost 500,000 digital volumes encompassing the corpus of English-language books from the earliest days of the movable type printing press through the early 19th century. Beyond Villanova's collection, the regional E-Z Borrow system in which the university participates provides one-stop searching and access to over 35 million books from academic libraries across Pennsylvania and New Jersey. In addition, materials can be

requested from libraries worldwide through inter-library loan. For ILL or E-Z Borrow go to <https://library.villanova.edu/about/services/illservices> for access to these services.

Approximately 80 public workstations are available in the library, for searching the Web, sending and reading email, and using a wide variety of university-licensed software. The library also provides wireless network access, laptop PCs for in-library use, and ports for connecting personal laptops to the network at a variety of locations throughout the building. Web-accessible library resources include:

- An online catalog
- General and scholarly research databases
- Full-text Journals and E-books
- E-mail request forms
- Interactive (chat-based) reference assistance
- Subject-oriented research guides

A current University ID is needed to borrow library materials. Anyone entering the Library without a Villanova ID is required to sign in and to present a photo ID. Possessions may be inspected upon leaving the library. The Library is a smoke-free building. Food and drink are permitted, although the patron is responsible for appropriate conduct, including proper disposal of trash and recycling. Theft or mutilation of materials is a violation of the Code of Student Conduct and subjects one to sanctions. Entering the building implies consent to following Library rules and University policies.

LIBRARY HOURS:

Session I

Sunday	Closed
Monday-Thursday	8 a.m.-8 p.m.
Friday	8 a.m.- 5 p.m.
Saturday	10 a.m.- 4 p.m.

Session II

Sunday	Noon- 6 p.m.
Monday-Thursday	8 a.m.-8 p.m.
Friday	8 a.m.- 5 p.m.
Saturday	10 a.m.- 4 p.m.
July 4 (Independence Day)	Closed

Hours differ during vacation periods and during final exams. For current hours call 610-519-4292. Inquire at the access and information desk for more specific information about Falvey's collections and the services the Library has to offer. To reach the desk, please call 610-519-4270. Falvey Memorial Library is in the heart of campus, and is there for you at the cross-roads of all areas of study.

MAIL

Students who reside on campus and wish to receive mail and packages must request a mailbox assignment by visiting Kennedy Mail Services. Once a box is assigned it is imperative that you use the box number on all incoming packages and mail and follow proper addressing guidelines.

There is a \$25.00 charge for mailboxes and students will receive an email notification if a package is available to pick up. At the conclusion of your Summer Session, please remove all mail and notify the Mail Services department of your departure. First Class mail will be forwarded to your home for a period of four weeks after you leave.

PARKING/EMERGENCIES/CRIME REPORTING

Students attending Summer Sessions (unless already in possession of a permit expiring on August 31st) will be required to purchase a permit to park on the Main Lot or the upper deck of the Spring Mill Garage. Permits will expire at the end of the appropriate session

(Summer Session I, II, or III). The Parking Office will issue permits for both Summer Sessions if appropriate.

To register for parking visit our website at:
<http://www.villanova.edu/publicsafety/services/parking/summersessionreg.htm>

Permits are available for pick-up in Farrell Hall-Monday through Friday-8:00 a.m. to 4:00 p.m. Evening students may contact the Parking Office at 610-519-6990 to request to have their parking permit left with the Public Safety Dispatcher who is available 24/7.

All crimes, accidents, or medical emergencies should be immediately reported to the Department of Public Safety. To contact Public Safety in the event of an emergency dial 9-4444 when using University phones. Note: 610-519-4444 can be used to call our emergency phone number when using non-University phones. All non emergency calls should be directed to 610-519-6979. For further information concerning services provided by the Department of Public Safety, please visit our web site at <http://publicsafety.villanova.edu>.

DEPARTMENTAL OFFERINGS

SUMMER SESSION DATES

Session I (010)*	May 27-June 24, 2015
Session II (020)*	June 26-July 27, 2015
Evening Session (030)*	May 27-July 27, 2015

*Session numbers are listed after the course numbers.

COURSE NUMBERING

0001-6999	Undergraduate courses.
7000-7999	Graduate courses to which qualified undergraduate students may be admitted. See page 10 for the required procedures.
8000-9999	Graduate courses limited to graduate students.

EXPLANATION OF ROOM ABBREVIATIONS

Classroom locations are listed immediately following the instructor's name for each section. Letters preceding the room numbers indicate the name of the building according to the following code:

B	Bartley Hall
C	Corr Hall
CEER	Center for Engineering and Education Research
CH	Chemical Engineering Building
DRSCLL	Driscoll Hall
F	Falvey Library
G	Garey Hall
JB	John Barry Hall
MSC	Mendel Science Center
OF	Old Falvey
SA	St. Augustine Center for the Liberal Arts
SM	St. Mary Hall
T	Tolentine Hall
V	Vasey Hall
W	White Hall
TBA	To be announced

In completing the registration form, please include the entire Course Identification Number. This includes the CRN number, subject, course number and section number. For example:

<u>CRN</u>	<u>SUBJ</u>	<u>COURSE</u>	<u>SECTION</u>
12904	ACC	1101	030

All summer courses are contingent on sufficient enrollment, and the University reserves the right to cancel any class.

This information was created based on course information received by February 25, 2015. For the most updated information on courses, rooming assignments, times and details please visit the Master Schedule of Classes at: novasis.villanova.edu.

ACCOUNTANCY AND MANAGEMENT INFORMATION SYSTEMS

Dr. Peters, *Chair*
Office: 3019 Bartley
Phone: 610-519-4340

Principles of Financial Accounting

3 cr.

12513 ACC 1101-030 (5/27-7/27) MW 6:00-8:00 p.m.

Staff

Understanding business by being able to understand the financial statements. Accounting concepts, transaction analysis, analytical procedures, valuation and allocation, revenue recognition and expense matching, and cash flow analysis—operating, investing, and financing. Includes appropriate use of technology.

Intermediate Accounting II

3 cr.

12515 ACC 2320-030 (5/27-7/27) MW 12:30-2:20 p.m.

Mr. Dougherty

Continues the intensive study and application of GAAP for asset valuation, income measurement, and financial statement presentation begun in ACC 2310. Selected accounting and consulting issues. Correction of financial statements, income taxes, pensions, segment reporting, cash-flow disclosures, debt issuance and amortization, leases, and investments. As with ACC 2310, each topic under GAAP compared to IFRS counterpart. Prerequisite: ACC 2310.

Accounting Information Systems

3 cr.

12516 ACC 2340-035 (5/27-7/27)

Dr. Peters

12517 ACC 2340-036 (5/27-7/27)

Dr. Peters

These are Distance Learning sections of this course. Please see page 81 for more information.

Federal Income Tax

3 cr.

12518 ACC 2360-030 (5/27-7/27) MW 6:00 - 8:00 p.m.

Mr. Miller

An introduction to federal income taxation with primary emphasis on the tax implications of business transactions. Objectives of the course are to explore tax-policy issues and to develop a basic understanding of federal income tax laws, income tax planning, and the impact of taxes on business decisions. Restricted to Accounting Majors and Minors with Junior or Senior standing. Prerequisite: ACC 1101 or VSB 2010 and ACC 2310.

Auditing

3 cr.

12227 ACC 2430-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m.

Dr. Bierstaker

Auditing standards employed in verification of and reporting on financial statements, evaluation of controls, statistical sampling, substantive testing, legal liability and professional responsibilities, and professional standards of ethics. Includes written and oral group case assignments and application of computer technology. Restricted to Accounting Majors and Minors. Prerequisite: ACC 2310 and ACC 2320.

Accounting Internship

3 cr.

12752 ACC 3430-030 (5/27-7/27) TBA

Dr. Peters/Dr. Emig

Employment with approved accounting firms and business organizations; varied work experience with appropriate training, instruction, and supervision. Paper required. Restricted to Accounting majors and minors with Junior or Senior standing, a minimum GPA of 2.5, and approval of the Accounting Internship Director. Satisfactory/Unsatisfactory only.

Independent Study: Accounting

3 cr.

12519 ACC 3500-030 (5/27-7/27) TBA

Dr. Peters

MIS Internship **3 cr.**
12788 MIS 3310-030 (5/27-7/27) Dr. Peters/Ms. Metzger
Employment with approved business firms where various meaningful assignments are performed with appropriate training, instruction, and supervision. Approval by Program Director required.

MIS Independent Study **3 cr.**
12675 MIS 3331-030 (5/27-7/27) Dr. Peters
Study with faculty member's guidance in area of special interest to student.

Principles of Managerial Accounting **3 cr.**
12746 VSB 3006-015 (5/27-6/24) Dr. Emig
12991 VSB 3006-016 (5/27-6/24) Dr. Emig
This is a Distance Learning section of this course. Please see page 81 for more information.

ART HISTORY

Dr. Rosier, *Chair*
Office: 403 St. Augustine
Phone: 610-519-4660

Contemporary Art **3 cr.**
12226 AAH 2009-010 (5/27-6/24) *MTWThF 12:30-2:20 p.m.* Dr. Sullivan
Artistic movements and artists around the world from the 1960s to the present; Pop Art, Minimalism, Neo- expressionism, Arte Povera, Graffiti Art, and Performance Art, from Warhol to Wyeth to Haring and Koons.

ASTRONOMY AND ASTROPHYSICS

Dr. Fitzpatrick, *Chair*
Office: 456 Mendel
Phone: 610-519-4820

Birth and Death of Stars **3 cr.**
12456 MSE 2100-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.* Dr. DeWarf
A study of the fundamental properties of the Sun and stars. The formation of stars, their energy generation, evolution, and death—leading to the formation of exotic new objects such as white dwarfs, neutron stars, and black holes. Must also register for 1-credit lab MSE 2151 for MSE credit.

Planetary Skies/Landscapes **3 cr.**
12300 MSE 2102-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.* Dr. DeWarf
A study of our own and other Solar Systems, including formation and evolution. The physical properties which shape planetary interiors, surfaces, and atmospheres. The Earth is studied in the context of other planets, and its unique properties are examined. Must also register for 1-credit lab MSE 2150 for MSE credit.

Astronomy Lab-Planets **1 cr.**
12301 MSE 2150-010 (5/27-6/24) *MWTh 1:30-4:10 p.m.* Dr. DeWarf
Laboratory course focusing on planetary astronomy. To be taken as a co-requisite with MSE 2101 "Life in the Universe" or MSE 2102 "Planetary Skies and Landscapes".

Astronomy Lab-Stars

12457 MSE 2151-020 (6/26-7/27) *MWTh 1:30-4:10 p.m.*

Laboratory course focusing on stellar and galactic astronomy. To be taken as a co-requisite with MSE 2100 "Birth and Death of Stars" or MSE 2103 "How Old is the Universe?".

1 cr.

Dr. DeWarf

AUGUSTINE AND CULTURE SEMINARS

Dr. Hill, *Director*

Office: 103 St. Augustine

Phone: 610-519-7325

Ancients

12520 ACS 1000-030 (5/27-7/27) *TTh 6:00-8:00 p.m.*

A Humanities seminar based principally on texts and readings drawn from primary sources up to 1650. Extensive written work and seminar discussions. Required readings: Hebrew and Christian scriptures, selections from the works of Augustine, Greek and Renaissance works. Readings from different genres and disciplines. Themes developed by the instructor in accordance with the selected readings. Writing Intensive.

3 cr.

Dr. Pichanick

Moderns

12521 ACS 1001-030 (5/27-7/27) *MW 6:00-8:00 p.m.*

A Humanities seminar based principally on texts and readings drawn from primary sources 1650 to the present. Extensive written work and seminar discussions. Readings from each of the following five historical eras: Early Modern, Enlightenment, Romantic, Modernist, Contemporary. Readings will also reflect different genres and disciplines. Themes developed by the instructor in accordance with the selected readings, including a specific Augustinian theme. Writing Intensive.

3 cr.

Dr. Scott

BIOLOGY

Dr. Gardner, *Chair*

Office: 147 Mendel

Phone: 610-519-4830

Human Anatomy and Physiology I

12229 BIO 1205-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.*

MWF 10:30 a.m.-1:20 p.m.

Basic concepts and laboratory studies of anatomy and physiology with presentation of overall morphology and function of the integumentary, skeletal, muscular, nervous, and endocrine systems. Designed primarily for Nursing majors and students interested in allied health professions.

4 cr.

Dr. Comber

Dr. Comber

Human Anatomy and Physiology II

12392 BIO 1206-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.*

MWF 10:30 a.m.-1:20 p.m.

Continuation of Biology 1205. The structure and function of the cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive, and immune systems. Designed primarily for Nursing majors and students interested in allied health professions.

4 cr.

Dr. Olson

Dr. Olson

Internship Elective

12753 BIO 1903-030 (5/27-7/27) *TBA*

Open to BIO and BSC majors. Permission of Instructor required.

3 cr.

Dr. Olson

Internship Elective

12754 BIO 1906-030 (5/27-7/27) *TBA*

Open to BIO and BSC majors. Permission of Instructor required.

6 cr.

Dr. Olson

Biology and Politics12458 MSE 2202-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.***4 cr.**

Ms. Morris

MWTh 10:30 a.m.-1:20 p.m.

Ms. Morris

Examination of importance of science and technology in contemporary political issues such as alternative energy, global climate change and evolution. Scientific method and biological principles important in objective, evidence-based explanations examined through lectures, guest speakers, debates, and laboratory exercises.

BIO: Heredity and Human Affairs12302 MSE 2203-010 (5/27-6/24) *MTWThF 8:30 -10:20 a.m.***4 cr.**

Dr. Bratis

MWTh 10:30 a.m.-1:20 p.m.

Dr. Bratis

Overview of genetic topics and their social/ethical impacts, including genetic engineering, assisted reproduction, artificial wombs, Human Genome Project, cloning, fetal stem cells, gene therapy, and chromosomal abnormalities and disorders. Includes lectures, field trips, labs, discussions and student presentations.

BIO: Human Physiology- Body Works

12459 MSE 2204-025 (6/26-7/27)

4 cr.

Dr. Stephens

12683 MSE 2204-035 (5/27-7/27)

Dr. Stephens

These are Distance Learning sections of this course. Please see page 81 for more information.

General Biology I12230 BIO 2105-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.***4 cr.**

Dr. Cordero

MWTh 10:30 a.m.-1:20 p.m.

Dr. Cordero

An introduction to biological organization stressing the molecular and cellular aspects of living organisms. The chemistry of life, the cell, the gene, and mechanisms of evolution.

General Biology II12393 BIO 2106-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.***4 cr.**

Staff

MWTh 10:30 a.m.-1:20 p.m.

Staff

The origin of life and diversity of organisms seen in five bio-logical kingdoms. Topics include nutrient acquisition, digestion, circulation, response to stimuli, movement, reproduction, behavior, and ecology. Prerequisite: BIO 2105 or HON 1075.

Internship12755 BIO 2993-030 (5/27-7/27) *TBA***3 cr.**

Dr. Olson

Open to BIO and BSC majors. Prerequisites: (BIO 2105 or HON 1705) and (BIO 2106 or HON 1076). Permission of Instructor required.

Internship12756 BIO 2996-030 (5/27-7/27) *TBA***6 cr.**

Dr. Olson

Open to BIO and BSC majors. Prerequisites: (BIO 2105 or HON 1705) and (BIO 2106 or HON 1076). Permission of Instructor required.

Biostatistics & Exp Design12231 BIO 3105-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.***4 cr.**

Dr. Russell

MWF 10:30 a.m.-1:20 p.m.

Dr. Russell

The conceptualization of experimental design, hypothesis testing, execution of statistical analyses, written and oral expression of statistical results, and effective graphical presentation of quantitative data. Prerequisites: (BIO 2105 or HON 1075) and (BIO 2106 or HON 1076).

12232 BIO 3105-015 (5/27-6/24) *TBA***4 cr.**

Dr. Russell

This is a Distance Learning section of this course. Please see page 81 for more information.

TOP: TBD **2 cr.**
12522 BIO 4940-035 (5/27-7/27) **Staff**
This is a Distance Learning section of this course. Please see page 81 for more information.

Directed Research **2 cr.**
12233 BIO 6509-010 (5/27-6/24) *TBA* Dr. Olson
12394 BIO 6509-020 (6/26-7/27) *TBA* Dr. Olson
12523 BIO 6509-030 (5/27-7/27) *TBA* Dr. Olson
Library &/or laboratory research under student-selected Biology faculty member (can lead to thesis research.) Sem. 1&2. Prerequisite: permission of faculty mentor & instructor; 3.0 QPA. Restricted to junior or senior biology& BSC majors. Does not count for biology laboratory credit alone. Prerequisites: (BIO 2105 or HON 1075) and (BIO 2106 or HON 1076). Permission of Instructor required.

GRADUATE COURSES

Biostatistics & Exp Design **4 cr.**
12234 BIO 7805-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Dr. Russell
MWF 10:30 a.m.-1:20 p.m. Dr. Russell
Conceptualization of experimental design, hypothesis testing, execution of statistical analyses, expression of statistical results, and effective graphical presentation of quantitative data. Includes a written exercise emulating peer-reviewed journal publication.

12235 BIO 7805-015 (5/27-6/24) TBA **Dr. Russell**
This is a Distance Learning section of this course. Please see page 81 for more information.

TOP: TBD **2 cr.**
12524 BIO 7970-035 (5/27-7/27) TBA **Staff**
This is a Distance Learning section of this course. Please see page 81 for more information.

Directed Research I **2 cr.**
12236 BIO 9007-010 (5/27-6/24) *TBA* Dr. Olson
12395 BIO 9007-020 (6/26-7/27) *TBA* Dr. Olson
12525 BIO 9007-030 (5/27-7/27) *TBA* Dr. Olson
Laboratory work and conferences dealing with a selected research problem. Prerequisite: Consent of Chairperson.

Directed Research II **2 cr.**
12237 BIO 9008-010 (5/27-6/24) *TBA* Dr. Olson
12396 BIO 9008-020 (6/26-7/27) *TBA* Dr. Olson
12526 BIO 9008-030 (5/27-7/27) *TBA* Dr. Olson
Laboratory work and conferences dealing with a selected research problem. Prerequisite: Consent of Chairperson.

Thesis Continuation **0 cr.**
12527 BIO 9080-030 (5/27-7/27) *TBA* Dr. Olson
This course is offered for 0 credits and is classified as a Thesis/Dissertation Continuation. This course is offered by the Biology Department, in the College of Sciences.

Thesis Research I **2 cr.**
12238 BIO 9307-010 (5/27-6/24) *TBA* Dr. Olson
12397 BIO 9307-020 (6/26-7/27) *TBA* Dr. Olson
12528 BIO 9307-030 (5/27-7/27) *TBA* Dr. Olson

Thesis Research II12239 BIO 9308-010 (5/27-6/24) *TBA*12398 BIO 9308-020 (6/26-7/27) *TBA*12529 BIO 9308-030 (5/27-7/27) *TBA***3 cr.**

Dr. Olson

Dr. Olson

Dr. Olson

Thesis Research III12240 BIO 9309-010 (5/27-6/24) *TBA*12399 BIO 9309-020 (6/26-7/27) *TBA*12530 BIO 9309-030 (5/27-7/27) *TBA***5 cr.**

Dr. Olson

Dr. Olson

Dr. Olson

MASTERS OF BUSINESS ADMINISTRATION

Dr. Michael Capella, Associate Dean
Office: 1074 Bartley
Phone: 610-519-6624

The MBA courses are restricted to those students who have been admitted into the Villanova MBA program.

For information on the Masters of Business Administration at Villanova University for Summer 2015, please contact:

Graduate Business Programs
Villanova School of Business
1074 Bartley Hall
Villanova, PA 19085
610-519-3701

You may also choose to visit the MBA website at mba.villanova.edu for an up to date source of information about this program.

To view the summer 2015 MBA courses please go to novasis.villanova.edu and choose Master Schedule Online Search for Classes.

CHEMICAL ENGINEERING

Dr. Skaf, *Chair*
Office: 215 White
Phone: 610-519-4952

CHE Economics

12552 CHE 7580-030 (5/27-7/27) *Th 6:00-9:15 p.m.*

Techniques for economic evaluation of projects and processes; time value of money, return on investment, cost estimation of processes, alternative project evaluations, economic balances and optimization.

3 cr.

Dr. Coe

12553 CHE 7580-D35 (5/27-7/27) *Th 6:00-9:15 p.m.*

This is a Distance Learning section of this course. Please see page 81 for more information.

Dr. Coe

CHE Independent Study

12554 CHE 9020-030 (5/27-7/27) *TBA*

Must be enrolled in Graduate Engineering.

3 cr.

Dr. Skaf

CHE Thesis I

12555 CHE 9024-030 (5/27-7/27) *TBA*

Must be enrolled in Graduate Engineering.

3 cr.

Dr. Skaf

CHE Thesis II

12556 CHE 9025-030 (5/27-7/27) *TBA*

Must be enrolled in Graduate Engineering.

3 cr.

Dr. Skaf

Thesis Continuation

12557 CHE 9080-030 (5/27-7/27) *TBA*

Must be enrolled in Graduate Engineering.

0 cr.

Dr. Skaf

Independent Study Continuation

12558 CHE 9085-030 (5/27-7/27) *TBA*

Must be enrolled in Graduate Engineering.

0 cr.

Dr. Skaf

CHEMISTRY

Dr. Kassel, *Chair*
Office: 215 Mendel
Phone: 610-519-4840

The Department of Chemistry offers major undergraduate courses in general, organic and physical chemistry as well as biochemistry. These courses are coordinated with laboratories that reinforce the lecture material. Students can complete the requirements for a chemistry minor with the courses offered in the Summer Sessions.

General Chemistry Laboratory I

12242 CHM 1103-010 (5/27-6/24) *TWTh 10:50 a.m.-1:40 p.m.*

Qualitative and quantitative laboratory experiments which include: the reactions of metals with water; the collection and plotting of data; acid-base titrations; oxidation-reduction titrations; the use of the pH meter and the determination of acid-base titration curves; the use of the spectrophotometer. Corequisite: CHM 1131 or CHM 1151.

1 cr.

Staff

- General Chemistry Laboratory II** **1 cr.**
 12400 CHM 1104-020 (6/26-7/27) *TWTh 10:40 a.m.-1:30 p.m.* Staff
 Students will be required to identify all metal ions present in an unknown solution. Quantitative titrations of sodium carbonate and the total hardness of water. Synthesis of inorganic compounds and determination of the formula of a transition metal complex ion using spectroscopic methods. Prerequisite: CHM 1103. Corequisite: CHM 1152 or CHM 1156. (Note: Engineering students are waived from this lab.)
- General Chemistry Laboratory II** **1 cr.**
 12401 CHM 1108-020 (6/26-7/27) *TWTh 10:40 a.m.-1:30 p.m.* Staff
 Chemistry of organic and biochemical compounds with an emphasis on the identification and chemical reactivities of functional groups. Students will be required to separate and identify various organic and biochemical compounds. Open to health affiliation students. Prerequisites: CHM 1131 and CHM 1103. Corequisite: CHM 1134.
- General Chemistry I** **3 cr.**
 12243 CHM 1131-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff
 Fundamental laws and theories of chemistry: atomic theory, chemical bonding, chemical kinetics and chemical equilibrium, gases, liquids, solids, solutions, stoichiometry, acid-base theories, electrochemical concepts, and an introduction to nuclear chemistry will be included. Open to health affiliation students. Corequisite: CHM 1103.
- General Chemistry II** **3 cr.**
 12402 CHM 1134-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Staff
 Introduction to organic and biochemistry stressing the application of principles developed in CHM 1131. Open to health affiliation students. Prerequisites: CHM 1131 and CHM 1103. Corequisite: CHM 1108.
- General Chemistry I** **4 cr.**
 12244 CHM 1151-010 (5/27-6/24) *MTWThF 8:00-10:20 a.m.* Staff
 Basic concepts of chemistry covering the following topics: properties of bulk matter; stoichiometry; colligative properties of solutions; thermochemistry; redox reactions; equilibrium and kinetics. For science, pre-med, and engineering students. Corequisite: CHM 1103.
- General Chemistry II** **4 cr.**
 12403 CHM 1152-020 (6/26-7/27) *MTWThF 8:00-10:20 a.m.* Staff
 Descriptive presentation of atomic orbitals; molecular structure; chemical and physical trends in the periodic table; general descriptive chemistry of the elements; complex ions and factors that drive chemical reactions. For science, pre-med, and engineering students. Corequisite: CHM 1104. Prerequisite: CHM 1151.
- Organic Chemistry Laboratory I** **1 cr.**
 12245 CHM 2201-010 (5/27-6/24) *MW 12:45-5:00 p.m.* Staff
 12246 CHM 2201-011 (5/27-6/24) *TBA* Staff
 12559 CHM 2201-030 (5/27-7/27) *W 6:00-10:00 p.m.* Staff
 Practical experience in techniques used for separation, purification, and isolation of synthetic, as well as, naturally occurring organic compounds. Semi-micro and micro scale experiments. Crystallization, distillation, extraction, and chromatography are introduced. Corequisite: CHM 2211.

Organic Chemistry Laboratory II **1 cr.**
 12404 CHM 2202-020 (6/26-7/27) *MW 12:45-5:00 p.m.* Staff
 12405 CHM 2202-021 (6/26-7/27) *MW 12:45-5:00 p.m.* Staff
 12560 CHM 2202-030 (5/27-7/27) *W 6:00-10:00 p.m.* Staff
 Further training in laboratory techniques used in organic chemistry, including those introduced in CHM 2201, and utilization of such techniques in representative types of organic reactions. Semi-micro and micro scale experiments. Corequisite: CHM 2212. Prerequisite: CHM 2211.

Organic Chemistry I **3 cr.**
 12247 CHM 2211-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.* Staff
 12561 CHM 2211-030 (5/27-7/27) *TTh 6:00-8:00 p.m.* Staff
 Fundamental principles of organic chemistry stressing the relation of structure and reactivity. Structure and bonding; stereochemistry; acids and bases; electrophilic addition, elimination and nucleophilic substitution. Corequisite: CHM 2201. Prerequisites: CHM1151 and CHM 1152 or CHM 1151 and CHM 1156.

Organic Chemistry II **3 cr.**
 12406 CHM 2212-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.* Staff
 12562 CHM 2212-030 (5/27-7/27) *TTh 6:00-8:00 p.m.* Staff
 Continuation of CHM 2211. Carbonyl group reactions, aromatic chemistry, spectroscopy and special topics such as heterocycles, carbohydrates and nucleosides, amino acids and proteins, lipids, radicals, rearrangements, polymers and photochemistry. Prerequisites: CHM 2211 and CHM 2201. Corequisite CHM 2202.

Internship **3 cr.**
 12757 CHM 2993-030 (5/27-7/27) *TBA* Dr. Kassel

Research I **3 cr.**
 12248 CHM 4801-010 (5/27-6/24) *TBA* Dr. Kassel
 Student participation in independent research under faculty supervision, frequent conferences with advisor or literature search, theoretical and experimental research. Writing Enriched.

Research II **3 cr.**
 12407 CHM 4802-020 (6/26-7/27) *TBA* Dr. Kassel
 Continuation of CHM 4801. Writing Enriched.

Research III **3 cr.**
 12249 CHM 4803-010 (5/27-6/24) *TBA* Dr. Kassel
 Continuation of CHM 4802. Writing Enriched.

GRADUATE COURSES

M.S. Research I, II and III **3 cr.**
 12408 CHM 7807-020 (6/26-7/27) *TBA* Dr. Kassel
 12563 CHM 7807-030 (5/27-7/27) *TBA* Dr. Kassel
 12409 CHM 7808-020 (6/26-7/27) *TBA* Dr. Kassel
 12564 CHM 7808-030 (5/27-7/27) *TBA* Dr. Kassel
 12565 CHM 7809-030 (5/27-7/27) *TBA* Dr. Kassel

MS Thesis **3 cr.**
 12566 CHM 7810-030 (5/27-7/27) *TBA* Dr. Kassel
 M.S. thesis research to be conducted in partial fulfillment of the M.S. degree in chemistry by those students who choose the thesis option. The research will be directed by a faculty member. Prerequisites: M.S. Research I, II, and III.

Graduate Seminar

12567 CHM 7892-030 (5/27-7/27) TBA

1 cr.

Dr. Kassel

Presentation of M.S. thesis research, literature presentations by students, faculty research seminars.

Thesis Continuation

12568 CHM 9080-030 (5/27-7/27) TBA

0 cr.

Dr. Kassel

CIVIL AND ENVIRONMENTAL ENGINEERINGDr. Dinehart, *Chair*

Office: 139 Tolentine

Phone: 610-519-4960

Engineering Mechanics I – Statics

12532 CEE 2100-030 (5/27-7/27) MW 6:00-8:00 p.m.

3 cr.

Dr. Gross

Vector analysis of force systems on particles and rigid bodies with particular emphasis on mathematical and physical formulation of principles underlying the solution of engineering problems; vector algebra; friction; centroids and moments of inertia. Prerequisites: MAT 1505 and (PHY 2400 or PHY 2410.)

12533 CEE 2100-D35 (5/27-7/27) MW 6:00-8:00 p.m.

Dr. Gross

This is a Distance Learning section of this course. Please see page 81 for more information.

Mechanics of Solids

12534 CEE 2103-D35 (5/27-7/27)

3 cr.**Dr. Hampton**

This is a Distance Learning section of this course. Please see page 81 for more information.

GRADUATE COURSES**Introduction to Hydraulics & Hydrology**

12535 CEE 7111-030 (5/27-7/27) M 6:00-9:30 p.m.

3 cr.

Dr. Emerson

Extension of fluid mechanics. Basic principles, mathematical concepts and solution methods, experimental data, and engineering judgment. Pressurized-flow systems, free surface flow, stream channel behavior and control, hydrologic data interpretation, hydrograph analysis and synthesis. Prerequisites: Undergraduate Fluid Mechanics (or its equivalent), proficiency in computers and CEE 3500.

12536 CEE 7111-D35 (5/27-7/27) M 6:00-9:30 p.m.

Dr. Emerson

This is a Distance Learning section of this course. Please see page 81 for more information.

Forensic Engineering

12537 CEE 7402-030 (5/27-7/27) T 6:00-9:30 p.m.

3 cr.

Dr. Dinehart

Forensic evaluation and analysis of structural failures. Case studies of bridge, building, dam and construction catastrophes. Investigation of various failure mechanisms. CEE Students only.

12538 CEE 7402-D35 (5/27-7/27) T 6:00-9:30 p.m.

Dr. Dinehart

This is a Distance Learning section of this course. Please see page 81 for more information.

Wood Design

3 cr.

12539 CEE 7405-030 (5/27-7/27) MW 2:30-5:00 p.m.

Dr. Gross

Design and behavior of wood structural components with emphasis on design codes; ASD and LRFD design approaches; material properties; beams, tension members, compression members, combined loading; connections; structural panels; shear walls and diaphragms; engineered wood products. CEE Students only.

12540 CEE 7405-D35 (5/27-7/27) MW 2:30-5:00 p.m.

Dr. Gross

This is a Distance Learning section of this course. Please see page 81 for more information.

Fundamentals Env. Eng Processes

3 cr.

12541 CEE 7502-030 (5/27-7/27) T 6:00-9:30 p.m.

Dr. Salerno

Fundamental physical, chemical and biological principles and processes for water and wastewater treatment; chemical kinetics, reactor engineering, mass transfer and sedimentation. Prerequisites: Undergraduate fluid mechanics or its equivalent and two semesters of undergraduate chemistry.

12542 CEE 7502-D35 (5/27-7/27) T 6:00-9:30 p.m.

Dr. Salerno

This is a Distance Learning section of this course. Please see page 81 for more information.

Des. Of Sustainable Transportation Systems

3 cr.

12543 CEE 8207-030 (5/27-7/27) Th 6:00-9:30 p.m.

Dr. Fusco/Dr. McCarthy

Environmental consequences and transportation systems; context sensitive solutions; national measures of sustainability in transportation; infrastructure asset management. Prerequisite: CEE 2211 or equivalent introduction undergraduate course in transportation engineering (or consent of instructor).

12544 CEE 8207-D35 (5/27-7/27) Th 6:00-9:30 p.m.

Dr. Fusco/Dr. McCarthy

This is a Distance Learning section of this course. Please see page 81 for more information.

Experimental Methods Str. Eng.

3 cr.

12545 CEE 8450-030 (5/27-7/27) TBA

Dr. Musselman

Course covers topics essential to laboratory work in structural engineering. Topics include: lab safety, instrumentation, data acquisition, computer controlled servohydraulics, data reduction and analysis, statistical analysis and technical report writing. Includes an integrated laboratory component.

Urban Hyd & Storm Water Mgmt

3 cr.

12546 CEE 8508-030 (5/27-7/27) Th 6:00-9:30 p.m.

Dr. Browne/Dr. Traver

Current engineering approaches to reduce adverse environmental effects of urbanization. Water quality and runoff quantity. Storm water management and best management practices. Prerequisite: CEE 7111 (or its equivalent).

12547 CEE 8508-D35 (5/27-7/27) Th 6:00-9:30 p.m.

Dr. Browne/Dr. Traver

This is a Distance Learning section of this course. Please see page 81 for more information.

CE Research/Investigation**3 cr.**

12548 CEE 9030-030 (5/27-7/27) TBA

Dr. Dinehart

Topic and scope must be submitted in writing to topic advisor for approval prior to registration. The results of the course findings may provide the basis for the thesis option. The final written document at the completion of the semester will be submitted for approval as a thesis proposal or a term paper for grade. The thesis proposal must be agreed upon by both the student and the topic advisor and approved by the chairperson. Requirements must be completed by the end of its semester of registration and prior to CEE 9031 registration. Prerequisite: Consent of chairperson.

Thesis I**3 cr.**

12549 CEE 9031-030 (5/27-7/27) TBA

Dr. Dinehart

Prerequisite: Graduate Engineering level CEE 9030.

Thesis II**3 cr.**

12550 CEE 9032-030 (5/27-7/27) TBA

Dr. Dinehart

Prerequisite: Graduate Engineering level CEE 9031.

Thesis Continuation**0 cr.**

12551 CEE 9080-030 (5/27-7/27) TBA

Dr. Dinehart

COMMUNICATIONDr. Hall, *Chair*

Office: 28 Garey

Phone: 610-519-4750

Survey of Communication Studies**3 cr.**

12256 COM 1000-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m.

Mr. Arnold

12417 COM 1000-020 (6/26-7/27) MTWThF 8:30-10:20 a.m.

Ms. Weaver

Process of communication; range of perspectives from which communication can be studied (from classical rhetoric to contemporary theory); the functions communication serves; and the forms of communication such as interpersonal, small group, organizational, public address, and mass media.

Public Speaking**3 cr.**

12257 COM 1100-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m.

Staff

Principles of communication related to speech composition and delivery; finding, analyzing, organizing and presenting material in ways appropriate to and effective with diverse audiences.

Business and Professional Communication**3 cr.**

12571 COM 1101-030 (5/27-7/27) MW 6:00-8:00 p.m.

Dr. O'Leary

Communication strategies and skills for a variety of business professional settings. Combines public speaking and small group organizational communication, featuring individual and group presentations. Not intended for Communication Department majors.

Mutual Exclusion: This course carries a mutual exclusion with the following courses; you may not enroll in it if you have completed any of the following with a passing grade: COM 1100

Film Analysis**3 cr.**

12418 COM 1300-020 (6/26-7/27) TTh 6:00-9:50 p.m.

Mr. Lewis

Methods and perspectives used to analyze visual media drawing on contemporary and historically important films. Historical, theoretical, and aesthetic approaches to film analysis, as well as the social, political and economic forces that influence film content. Fulfills Fine Arts requirement.

Communication Internship **3 cr.**
12419 COM 1903-020 (6/26-7/27) *TBA* Dr. Moore
12758 COM 1903-030 (5/27-7/27) *TBA* Dr. Moore
Supervised work/study program in radio, television, advertising, publicity or public relations.
Restricted to Communication Majors/Minors. Sophomore, Junior, or Senior standing.
Permission of Chairperson required.

Communication Internship **6 cr.**
12420 COM 1906-020 (6/26-7/27) *TBA* Dr. Moore
12759 COM 1906-030 (5/27-7/27) *TBA* Dr. Moore
Supervised work/study program in radio, television, advertising, publicity or public relations.
Restricted to Communication Majors/Minors. Sophomore, Junior, or Senior standing.
Permission of Chairperson required.

Communication Internship **9 cr.**
12760 COM 1909-030 (5/27-7/27) *TBA* Dr. Moore
Supervised work/study program in radio, television, advertising, publicity or public relations.
Restricted to Communication Majors/Minors. Sophomore, Junior, or Senior standing.
Permission of Chairperson required.

Theories of Persuasion **3 cr.**
12258 COM 2280-015 (5/27-6/24) Dr. Woodard
This is a Distance Learning section of this course. Please see page 81 for more information.

Theories of Mass Communication **3 cr.**
12259 COM 2300-010 (5/27-6/24) *MTWThF 8:30 -10:20 a.m.* Staff
Traces the evolution and structure of core theoretical approaches to understanding mass communication phenomena. Both behavioral and critical approaches and their related research traditions are explored.

Theories of Interpersonal Communication **3 cr.**
12421 COM 2400-015(5/27-6/24) Dr. Bowen
This is a Distance Learning section of this course. Please see page 81 for more information.

Communication Internship **3 cr.**
12761 COM 2993-030 (5/27-7/27) *TBA* Dr. Moore
Supervised work/study program in radio, television, advertising, publicity or public relations.
Restricted to Communication Majors. Permission of Chairperson required.

Communication Internship **6 cr.**
12762 COM 2996-030 (5/27-7/27) *TBA* Dr. Moore
More intensive, in depth work/study/program in radio, television, advertising, publicity or public relations. Restricted to Communication Majors. Permission of Chairperson required.

TOP: Rhetoric of Conspiracy Theories **3 cr.**
12260 COM 3290-015 (5/27-6/24) Mr. Arnold
This is a Distance Learning section of this course. Please see page 81 for more information.

Introduction to Journalism **3 cr.**
12422 COM 3360-025 (6/26-7/27) Dr. Ksiazek
This is a Distance Learning section of this course. Please see page 81 for more information.

TOP: Media Audiences 3 cr.
12423 COM 3390-025 (6/26-7/27) Dr. Ksiazek
This is a Distance Learning section of this course. Please see page 81 for more information.

Gender and Communication 3 cr.
12261 COM 3406-015 (5/27-6/24) Dr. Bowen
This is a Distance Learning section of this course. Please see page 81 for more information.

Public Relations 3 cr.
12262 COM 3460-015 (5/27-6/24) Ms. Flanagan
This is a Distance Learning section of this course. Please see page 81 for more information.

Quantitative Research in COM 3 cr.
12263 COM 4002-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.* Dr. Woodard
Review of basic principles of scientific inquiry in the empirical paradigm. Reading and designing quantitative research in communication through gathering and critically analyzing literature in the field and proposing an original study. Methods include experiments and surveys.

Directed Study 3 cr.
12264 COM 5100-010 (5/27-6/24) *TBA* Staff
12572 COM 5100-030 (5/27-7/27) *TBA* Staff
Supervised project culminating in term paper. Restricted to Communication Majors. Permission of Chairperson required.

GRADUATE COURSES

Internship in Communication 3 cr.
12573 COM 8003-030 (5/27-7/27) *TBA* Dr. Rose
Internships at area businesses and organizations supervised by a faculty member. Graduate students may only take this course once. Permission of Director required.

Communication Directed Study 3 cr.
12574 COM 8004-030 (5/27-7/28) *TBA* Dr. Rose
Individual research project in an advanced area of communication, conducted under the guidance of a faculty member. Director's approval needed.

Thesis Direction I 3 cr.
12575 COM 8006-030 (5/27-7/27) *TBA* Dr. Rose
Independent capstone research experience under the direction of a graduate faculty advisor. Satisfactory completion requires a successful defense of a prospectus. Requires permission of Program Director.

Thesis Direction II 3 cr.
12576 COM 8007-030 (5/27-7/27) *TBA* Dr. Rose
Independent capstone research experience under the direction of a graduate faculty advisor. Satisfactory completion requires a successful defense of a completed research project. Requires permission of Program Director.

Org Research & Consulting 3 cr.
12577 COM 8203-030 (5/27-7/27) *Th 6:30-9:30 p.m.* Dr. Hall
Course is designed to prepare students to understand and analyze organizations as researchers and to prepare them to conduct consulting interventions in organizations as communication consultants. Prerequisites: COM 8008 and COM 8100 and COM 8001 or COM 8002.

Public Relations Writing **3 cr.**
12578 COM 8300-035 (5/27-7/27) TBA **Ms. Flanagan**
This is a Distance Learning section of this course. Please see page 81 for more information.

Media Production **3 cr.**
12424 COM 8306-020 (6/26-7/27) MW 6:00-9:00 pm. Mr. Lewis
Provides an overview of the video production experience for those who want to include media production in business, advocacy, research and education. Prerequisites: COM 8008 and COM 8100 and COM 8001 or COM 8002.

Digital Media Design **3 cr.**
12579 COM 8320-030 (5/27-7/27) T 6:30-9:30 p.m. Mr. Mafodda
Designed to provide a broad-based overview of the Media Arts & Design industry, focusing on the research, strategies and methods that go into designing and preparing media for consumption via a variety of delivery methods (including traditional mass media, online, and mobile devices). Students will gain a theoretical understanding of and practical experience with: digital photography and videography, web design and development, and multimedia production. Prerequisites: COM 8100 and COM 8001 and COM 8002.

Thesis Continuation **0 cr.**
12580 COM 9080-030 (5/27-7/27) TBA Dr. Rose
Continuation of supervised research for students writing master's theses. Requires permission of the Program Director. Prerequisites: COM 8001 and COM 8002 and COM 8008 and COM 8100.

COMPREHENSIVE SCIENCE

Dr. Styer, *Director*
Office: 372 Mendel
Phone: 610-519-4845

Internship Elective **3 cr.**
12796 SCI 1903-030 (5/27-7/27) TBA Dr. Styer
Permission of Program Director is required. Junior or Senior Comprehensive Science students with a 3.0 QPA only.

Internship Elective **6 cr.**
12797 SCI 1906-030 (5/27-7/27) TBA Dr. Styer
Permission of Program Director is required. Junior or Senior Comprehensive Science students with a 3.0 QPA only.

Internship Elective **3 cr.**
12798 SCI 2993-030 (5/27-7/27) TBA Dr. Styer
Permission of Program Director is required. Junior or Senior Comprehensive Science students with 3.0 QPA only.

Internship Elective **6 cr.**
12799 SCI 2996-030 (5/27-7/27) TBA Dr. Styer
Permission of Program Director is required. Junior or Senior Comprehensive Science students with 3.0 QPA only.

Independent Study **3 cr.**
12742 SCI 5900-030 (5/27-7/27) TBA Dr. Styer
Supervised study, activity or research with interdisciplinary or multidisciplinary content. Prior approval of director and instructor.

COMPUTING SCIENCES

UNDERGRADUATE COURSES

Dr. Cassel, *Chair*
Office: 161 Mendel
Phone: 610-519-7341

Computing and the Web

3 cr.

12581 CSC 1020-030 (5/27-7/27) MW 5:20-8:00 p.m.

Mr. Ay

Information representation and manipulation; file systems and directories; compatibility and data exchange; security and privacy; elements of computer architectures and operating systems; computer networks, the Internet, and the World Wide Web; web site design principles and creation; PC-based examples and illustrations.

Databases for Many Majors

3 cr.

12266 CSC 1035-015 (5/27-6/24) Th 6:00-7:30 p.m.

Ms. Kearney

This is a Distance Learning section of this course. Please see page 81 for more information.

Algorithms and Data Structures I

4 cr.

12582 CSC 1051-030 (5/27-7/27) MW 5:20-8:00 p.m.

Dr. Joyce

Object-oriented design: objects, classes, methods, encapsulation; programming fundamentals: data, variables, selection, loops, arrays, input/output; basic graphics and graphical user interfaces.

Discrete Structures

3 cr.

12583 CSC 1300-035 (5/27-7/27) Th 7:00-9:00 p.m.

Ms. Metzger

This is a Distance Learning section of this course. Please see page 81 for more information.

Java Bootcamp

1 cr.

12584 CSC 2014-010 (5/27-6/24) Th 6:00-7:30 p.m.

Dr. Way

Fast-paced coverage of object-oriented programming using Java and the Java API, including packages for creating graphics and applets; Java syntax and control structures; arrays; designing objects, classes, and methods; graphical user interfaces; input streams, exception handling and threads. Prerequisites: CSC 1010 or ECE 1620 or MIS 2020.

Internship in Computing

3 cr.

12764 CSC 2993-030 (5/27-7/27) TBA

Staff

Internship in computer science involving computer system development, maintenance, or evaluation in an environment which supports sound software engineering techniques. Restricted to second semester Sophomores with Junior standing and above.

Independent Study

3 cr.

12585 CSC 5993-030 (5/27-7/27) TBA

Staff

Reading, research and/or projects in a selected area of computer science under the direction of a member of the staff. May be repeated for credit. Permission of the Chairperson required.

GRADUATE COURSES

Dr. Gehlot, *Director*
Office: 161 Mendel
Phone: 610-519-7310

The Graduate Programs in Computer Science and in Software Engineering are designed as terminal degree programs leading to the M.S. degree, but students desiring professional retraining or continuing education are welcome to take graduate courses. Some courses assume partial or total fulfillment of the admission requirements to the Program: calculus (at Villanova, MAT 1320, 1325), statistics (MAT 2310), algorithms and data structures (CSC 7000, or CSC 1051, 1052), computer organization (CSC 7100 or CSC 1200 or CSC 2400), and discrete structures (CSC 1300).

Most students taking summer graduate courses in computing sciences are pursuing the Master's Degree at Villanova University. Students from other departments and institutions are welcome to take courses; however, they are requested to have their registrations approved by the program director. This is necessary in order to monitor adherence to course prerequisites and to ensure priority to those students who need courses as part of their degree program at Villanova University.

Object Oriented Design & Programming

12586 CSC 8600-030 (5/27-7/27) *M 6:00-9:30 p.m.*

3 cr.

Dr. Meketon

Introduces the theoretical and practical issues underlying the object-oriented paradigm, including classes, encapsulation, inheritance, and polymorphism. Primary topics also include object-oriented analysis and design, databases, and technology transfers. The use of an object-oriented programming language, such as Java or C++, is an integral part of the course. Problems involving program design and implementation will be assigned. The student may be required to write a research paper and/or give an in-class presentation. Prerequisite: CSC 8301 or CSC 8410; minimum grade of C.

System Programming – UNIX & C

12587 CSC 8700-030 (5/27-7/27) *W 6:00-9:30 p.m.*

3 cr.

Mr. Nadi

The UNIX operating system: command interpreters, shell programming, process structure, file system, utilities like grep, sed, awk, and perl. C programming: file processing, libraries, program environment, system calls. This course is 50% Distance Learning. Prerequisites: CSC 8301 and CSC 8410; minimum grade of C.

Graduate Computing Practicum

12588 CSC 8990-030 (5/27-7/27) *TBA*

1 cr.

Dr. Gehlot

Work experience in computing, CSC graduate program approval required for a specific work opportunity. Permission of Graduate Director required. Prerequisite: Completion of graduate CSC core: CSC 8301, 8310, 8400, 8410, and 8510.

Graduate Computing Practicum Continuation

12589 CSC 8991-030 (5/27-7/27) *TBA*

0 cr.

Dr. Gehlot

Continuation of existing practicum experience for second consecutive semester. Open to graduate students in computer science or software engineering. Permission of Program Director required. Prerequisite: CSC 8990.

TOP: Cloud Computing

12590 CSC 9010-035 (5/27-7/27) *M 6:00-9:30 p.m.*

3 cr.

Dr. DePasquale

This is a Distance Learning section of this course. Please see page 81 for more information.

Independent Study Continuation12591 CSC 9021-030 (5/27-7/27) *TBA*

Continuation beyond the first semester for students who have registered for the independent study. Prerequisites: CSC 9020 or CSC 9025.

0 cr.

Dr. Gehlot

Thesis Direction12592 CSC 9030-030 (5/27-7/27) *TBA*

Expanded Independent study in which the student makes an original contribution to the computer science field.

3 cr.

Dr. Gehlot

Thesis Continuation12593 CSC 9080-030 (5/27-7/27) *TBA*

Prerequisites: CSC 9030.

0 cr.

Dr. Gehlot

CRIMINOLOGYDr. DeFina, *Chair*

Office: 204 St. Augustine

Phone: 610-519-4482

Introduction to Criminology12265 CRM 1001-010 (5/27-6/24) *MTWThF 12:30-2:20 p.m.*

The nature and extent of crime; the factors related to criminal behavior; theories of the treatment and control of offenders; crime prevention programs.

3 cr.

Dr. Welch

Justice and Society12959 CRM 3001-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.*

This course presents an overview of the criminal justice system. It focuses on the nature, operation and critical issues of law enforcement, the courts and corrections.

3 cr.

Dr. Arvanites

Internship12763 CRM 6003-030 (5/27-7/27) *TBA*

Supervised work experience in a criminal justice agency. Permission of chairperson required.

3 cr.

Dr. Arvanites

ECONOMICSDr. Mao, *Chair*

Office: 2015 Bartley

Phone: 610-519-4370

Introduction to Microeconomics12267 ECO 1001-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.*

The price system; demand and supply analysis; the production process; analysis of market structures.

3 cr.

Dr. Giordano

12427 ECO 1001-025 (6/26-7/27)**This is a Distance Learning section of this course. Please see page 81 for more information.****Mr. Fiorenza****Introduction to Macroeconomics**12428 ECO 1002-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.*

The economic system and its fundamental principles. The economic functions of government, monetary and fiscal policy, and international trade.

3 cr.

Dr. Giordano

12268 ECO 1002-015 (5/27-6/24)**12429 ECO 1002-025 (6/26-7/27)****These are Distance Learning sections of this course. Please see page 81 for more information.****Mr. Fiorenza****Dr. Kelly**

Internship Elective **3 cr.**
12766 ECO 1903-030 (5/27-7/27) TBA
Dr. Mao
Fulfills 3.0 free elective credits.

Internship Elective **6 cr.**
12767 ECO 1906-030 (5/27-7/27) TBA
Dr. Mao
Fulfills 6.0 free elective credits.

Micro-Econ Theory **3 cr.**
12430 ECO 2102-020 (6/26-7/27) TWTh 10:30 a.m.-1:35 p.m. Dr. Zaleski
Economic and mathematical analysis of the equilibrium conditions of the household, the firm, and industry, in various market structures, together with a brief examination of the general equilibrium of the economy; emphasis upon developing a working knowledge of elementary mathematical analysis as it applies to present economic theory. Final Exam on 7/27/15 from 10:30 a.m. to 12:20 p.m. Prerequisites: ECO1001 and ECO 1002.

Internship **3 cr.**
12768 ECO 2993-030 (5/27-7/27) TBA
Dr. Mao
Fulfills 3.0 economic elective credits. Permission of Director required.

Internship **6 cr.**
12769 ECO 2996-030 (5/27-7/27) TBA
Dr. Mao
Fulfills 6.0 economic elective credits. Permission of Director required.

Global Political Economy **3 cr.**
12431 ECO 3108-020 (6/26-7/27) MTWThF 10:30 a.m.-12:20 p.m. Ms. Rissell
Socio-economic conditions, political history, and government policy and the global impact on international trade and monetary relations; regional integration; stability of international economic systems; economic development and transition strategies; role of multinational corporations in the global world. Prerequisites: ECO 1001 and ECO 1002.

12269 ECO 3108-015 (5/27-6/24) **Dr. Wolnicki**
12270 ECO 3108-016 (5/27-6/24) **Dr. Wolnicki**
12271 ECO 3108-017 (5/27-6/24) **Dr. Wolnicki**
These are Distance Learning Sections of this course. Please see page 81 for more information.

History of Economic Thought **3 cr.**
12272 ECO 3111-015 (5/27-6/24) **Dr. Zaleski**
This is a Distance Learning Section of this course. Please see page 81 for more information.

Independent Study in Economics **3 cr.**
12273 ECO 4500-010 (5/27-6/24) TBA
Dr. Mao
Students with specific interests work on a tutorial basis with faculty. A departmental independent Research Proposal form must be approved by the directing faculty member and the department chairman prior to registration. Prerequisites: ECO 2101 and ECO 2102.

Independent Study in Economics **3 cr.**
12432 ECO 4500-020 (6/26-7/27) TBA
Dr. Mao
Students with specific interests work on a tutorial basis with faculty. A departmental independent Research Proposal form must be approved by the directing faculty member and the department chairman prior to registration. Prerequisites: ECO 2101 and ECO 2102.

EDUCATION AND COUNSELING

Dr. Fierros, *Chair*
Office: 302A St. Augustine
Phone: 610-519-4620

UNDERGRADUATE COURSES

EDUCATION

Diversity & Inclusion

12274 EDU 3263-010 (5/27-6/24) *TWTh 4:30-7:00 p.m.*

Introduction to the physical and social characteristics of diverse and exceptional students between 3 and 21. Issues of race, culture, gender, sexual orientation, and special education with respect to schools and in light of recent legislation and court decisions. Problem cases with an emphasis on the underprivileged, antisocial, and disadvantaged.

3 cr.

Dr. Ramirez

Philosophy of Education

12275 EDU 4290-010 (5/27-6/24) *MTWTh 10:30 a.m.-12:20 p.m.*

The development of a sound personal philosophy of education and practice in applying that philosophy to current educational issues.

3 cr.

Dr. Ramirez

GRADUATE COURSES

EDUCATION

Educating Middle School

12276 EDU 7544-010 (6/5-6/6) *F 6:00-10:00 p.m.*

(6/5-6/6) *S 9:00 a.m.-4:00 p.m.*

1 cr.

Dr. Brown

Dr. Brown

Critical Perspectives Spec Ed

12955 EDU 8400-010 (5/27-6/24) *TTh 5:30-9:30 p.m.*

Strategies for working with individuals with special needs; issues of inclusion and exclusion in Special Education; national and international Special Education policies and practices. Service is a requirement of this course. **Restricted to Master's Plus Certification Students Only.**

3 cr.

Staff

Foundations of Reading Instruction

12433 EDU 8620-020 (6/26-7/27) *MW 6:00-9:30 p.m.*

An introduction to the nature of reading, the development of trends in reading instruction; the appraisal of reading needs and requirements for the improvement of reading instruction.

3 cr.

Dr. Brown

Philosophy Education

12278 EDU 8673-010 (5/27-6/24) *MW 5:30-9:00 p.m.*

The immediate and ultimate ends of education; the nature of the child and the philosophical basis for religious and moral training, intellectual and aesthetic culture, curriculum and methods; Naturalism, Pragmatism, Socialism, and Scholasticism in their educational implications and applications.

3 cr.

Fr. Baker, OSA

Development of ELL Students

12434 EDU 8675-020 (6/26-7/27) *MW 1:30-5:00 p.m.*

Working with the English language learning student.

Restricted to Master's Plus Students Only.

3 cr.

Dr. Wildermuth

Development of ELL Students

12954 EDU 8675-030 (5/27-7/27) *M 1:00-4:00 p.m.*

Working with the English language learning student. **Restricted to Master's Plus Certification Students Only.**

3 cr.

Dr. Titone

Multiculturalism, Gender in Schools**3 cr.**12279 EDU 8678-010 (5/27-6/24) *TTh 5:30-9:00 p.m.*

Dr. Ajunwa

Issues of race, culture, sexual orientation, and special education as they are related to the understanding and practice of education.

Multiculturalism, Gender in Schools**3 cr.**12956 EDU 8679-020 (6/26-7/27) *TTh 5:30-9:30 p.m.*

Staff

Issues of race, culture, sexual orientation, and special education as they are related to the understanding and practice of education. **Restricted to Master's Plus Certification Students Only.****COUNSELING****Counsel Psychopharmacology****1 cr.**12410 CHR 7165-020 (7/10-7/11) *F 5:00-900 p.m.*

Dr. Hirallal

CHR 7165-020 (7/10-7/11) *S 9:00 a.m.-4:00 p.m.*

Dr. Hirallal

Intro to Motivational Interview**1 cr.**12250 CHR 7240-010 (6/12-6/13) *F 5:00-9:00 p.m.*

Dr. Angelini

CHR 7240-010 (6/12-6/13) *S 9:00 a.m.-4:00 p.m.*

Dr. Angelini

This workshop will provide a foundation in the use of motivational interviewing in working with a variety of concerns, including mental illness, substance abuse, and engagement in medical treatment.

Eating Disorders**1 cr.**12251 CHR 7601-010 (6/5-6/6) *F 5:00-9:00 p.m.*

Dr. Kaufman

CHR 7601-010 (6/5-6/6) *S 9:00 a.m.-4:00 p.m.*

Dr. Kaufman

Special Ed for Counselors & Teachers**3 cr.**12994 CHR 8600-020 (6/26-7/27) *TTh 12:30-4:00 p.m.*

Dr. Sterling

Focuses on children with special needs, and the role of the guidance counselor and teacher in working with them.

Research and Evaluation**3 cr.**12569 CHR 8604-030 (5/27-7/27) *W 5:15-8:45 p.m.*

Dr. Fishman

Analysis of major types of social science research; familiarization with research resources and literature survey procedures; evaluation of research; its implications for, and its applications to counseling; practice in using common research procedures.

Consultation Processes**3 cr.**12252 CHR 8683-020 (6/26-7/27) *MW 5:45-8:45 p.m.*

Mr. Cunningham

The effective use of the techniques of counseling in the application of consultative services are explored. Basic individual and group skills, organizational structure and effective communication are presented.

Lifestyle and Career Development**3 cr.**12253 CHR 8685-010 (5/27-6/24) *TWTh 4:30-6:45 p.m.*

Dr. Tierno

This course focuses upon various psychological theories of career development and vocational adjustment with an emphasis on vocational and lifestyle choice processes across a lifespan.

Community Resources and Crisis Intervention**3 cr.**12255 CHR 8840-010 (5/27-6/24) *TTh 7:00-9:20 p.m.*

Dr. Angelini

Overview of critical issues causing situational and developmental crisis such as HIV/AIDS, Rape, Sexual abuse, Child abuse, Eating disorders, and Crime/Violence. Theory and lab experience in crisis work. Exploration of Community Resources. Prerequisite: CHR 8605.

Family Interventions**3 cr.**12412 CHR 8845-020 (6/26-7/27) *TTh 5:15-8:45 p.m.*

Dr. Luquet

Family therapy and theories of family development, crisis, and change over the life cycle. Patterns of family-member interaction. Emphasis is on working with families around child-parent of marital problems in order to open communication, identify problems, and resolve conflict. Prerequisites: CHR 8605, CHR 8655 and CHR 8687.

Therapeutic Strategies with Children**3 cr.**12413 CHR 8854-020 (6/26-7/27) *TTh 4:30-8:00 p.m.*

Dr. Sterling

Participants will learn techniques involved in play therapy, child counseling, and consulting with teachers, parents, and other professionals. Actual practice will be included. Prerequisites: CHR 8605 and CHR 8655.

Appraisal in Counseling**3 cr.**12414 CHR 8855-020 (6/26-7/27) *MW 5:15-8:45 p.m.*

Dr. Wahesh

A survey of psychological tests and instruments commonly used in schools and agencies providing human services. Following a review of scoring interpretation and uses of various instruments including standardized intelligence, personality and psychomotor tests as well as stress will be given.

Lab in Counseling Diverse Population**3 cr.**12415 CHR 8860-020 (6/26-7/27) *TTh 12:30-4:00 p.m.*

Dr. Malott

This course will explore the social, psychological, cultural, economic and environmental influences that affect various client populations. The special counseling needs of women, men, ethnic and cultural minorities, and the handicapped will be explored.

Prevention Theory and Practice**3 cr.**12416 CHR 8874-020 (6/26-7/27) *TTh 4:30-8:00 p.m.*

Dr. Wahesh

Theoretical foundation & evidence-based prevention practices for psychiatric & behavioral disorders. Application & critique of specific interventions in the context of student learning & application.

Thesis II**3 cr.**12570 CHR 9035-030 (5/27-7/27) *TBA*

Dr. Murray, O.S.A.

Direction of writing of the thesis under supervision of an individual instructor. Restricted to CHR graduate students who elect the Thesis option. Prerequisite: CHR 9034.

ELECTRICAL AND COMPUTER ENGINEERINGDr. Singh, *Chair*

Office: 411 Tolentine

Phone: 610-519-4970

Fund of Elect. Engineering II**3 cr.****12594 ECE 2054-D35 (5/27-7/27)****Dr. Char**

This is a Distance Learning Section of this course. Please see page 81 for more information.

Fundamentals of MATLAB**2 cr.**12425 ECE 2409-020 (6/26-7/27) *MWF 1:30-2:20 p.m.*

Dr. Mobasseri

Use of MATLAB, a matrix oriented, high level programming language, for the simulation and modeling of physical systems. Matrix operations, extensive 2-dimensional and 3-dimensional graphing, introduction to MATLAB toolboxes. Lectures are conducted in parallel with hands-on programming and computer simulations. One lecture hour and one laboratory period per week.

12426 ECE 2409-D25 (6/26-7/27)

Dr. Mobasseri

This is a Distance Learning Section of this course. Please see page 81 for more information.

ECE Summer Internship

3 cr.

12765 ECE 5010-030 (5/27-7/27) *TBA*

Dr. Singh

Academic credit for a summer internship. Requirements: Senior standing, a technical GPA of 3.0 or greater, and sponsorship by a full-time faculty member arranged prior to the start of the internship. Program details available from the Electrical and Computer Engineering Department Chairperson, Tolentine Hall, Room 403, 610-519-4971.

Electrical Engineering Research I

3 cr.

12595 ECE 5991-030 (5/27-7/27) *TBA*

Dr. Singh

Students work with faculty on current research topics. Weekly meetings with faculty advisor and a final written report and/or oral presentation are required.

GRADUATE COURSES

Renewable Energy Policy

3 cr.

12596 ECE 7000-030 (5/27-7/27) *M 6:00-9:30 p.m.*

Mr. Alyanikian

An introduction to renewable energy policy from inception to current state of the industry. Deals with the evolution of policy from monopolistic to competitive marketplace. Study will include the various factors affecting this process.

12597 ECE 7000-D35 (5/27-7/27) *M 6:00-9:30 p.m.*

Mr. Alyanikian

This is a Distance Learning section of this course. Please see page 81 for more information.

Fund of Solid State Electronics

3 cr.

12598 ECE 7500-030 (5/27-7/27) *T 1:00-4:30 p.m.*

Dr. Jupina

Solid state electronics concepts including semiconductor device physics, microelectronic fabrication, and SPICE modeling. Topics include quantum well structures, semiconductor physics, pn junctions, bipolar and field effect transistors, photolithography, oxidation, diffusion, and computer simulation of semiconductor devices.

12599 ECE 7500-D35 (5/27-7/27) *T 1:00-4:30 p.m.*

Dr. Jupina

This is a Distance Learning section of this course. Please see page 81 for more information.

Semantic Web

3 cr.

12600 ECE 8482-030 (5/27-7/27) *T 6:00-9:30 p.m.*

Mr. Streit

This course defines the Semantic Web and implements Semantic Web solutions using a set of best practices. We model problems as ontologies, semantically enable data and visualize owl instances.

12601 ECE 8482-D35 (5/27-7/27) *T 6:00-9:30 p.m.*

Mr. Streit

This is a Distance Learning section of this course. Please see page 81 for more information.

Security Risk Assess. & Management

3 cr.

12602 ECE 8488-D35 (5/27-7/27)

Dr. Pak

This is a Distance Learning section of this course. Please see page 81 for more information.

Computer Forensics and Incident Handling	3 cr.
12995 ECE 8496-030 (5/27-7/27) W 6:00-9:39 p.m.	Dr. Solderitsch
Introduction to the application of forensic science principles and practices for collecting, preserving, examining, analyzing and presenting digital evidence. The capture/intercept of digital evidence, the analysis of audit trails, the recording of running processes, and the reporting of such information. Selected topics from the legal, engineering and information-technology domains. Lecture, tool explorations and hands-on experience along with written projects. Prerequisites: ECE 8476 and ECE 8484.	
12966 ECE 8496-D35 (5/27-7/27) W 6:00-9:30 p.m.	Dr. Solderitsch
This is a Distance Learning section of this course. Please see page 81 for more information.	
Sensors	3 cr.
13003 ECE 8525-D35 (5/27-7/27) W 4:30-7:00 p.m.	Dr. Mastro
This is a Distance Learning section of this course. Please see page 81 for more information.	
Independent Study	3 cr.
12603 ECE 9030-030 (5/27-7/27) TBA	Dr. Singh
An investigation of a current research topic under the direction of a faculty member. A written report is required.	
Research I	3 cr.
12604 ECE 9031-030 (5/27-7/27) TBA	Dr. Singh
Supervised research in pursuit of thesis.	
Research II	3 cr.
12605 ECE 9032-030 (5/27-7/27) TBA	Dr. Singh
Continuation of ECE 9031.	
Thesis Continuation	0 cr.
12606 ECE 9080-030 (5/27-7/27) TBA	Dr. Singh
The continuation of the Master Thesis Course, ECE 9031.	
Independent Study Continuation	0 cr.
12607 ECE 9085-030 (5/27-7/27) TBA	Dr. Singh
The continuation of the Independent Study Course, ECE 9030.	
Special Topics in Electrical Engineering	3 cr.
12608 ECE 9900-030 (5/27-7/27) TBA	Dr. Singh
Advanced elective study of topics of current interest and importance in electrical engineering.	
Supervised Study in Electrical and Computer Engineering	3 cr.
12609 ECE 9905-030 (5/27-7/27) TBA	Dr. Singh
Individually supervised study on special topics in electrical and computer engineering. Prerequisite: Permission of department chairperson and faculty advisor.	
Special Topic: Systems Engineering I	3 cr.
12610 ECE 9910-030 (5/27-7/27) TBA	Dr. Singh
Topics: linear systems; control theory; stochastic control, rigid body of dynamics, vibrating systems, basic probability and statistics. Given at King of Prussia, PA. Permission of Chairperson required.	

Special Topic: Systems Engineering II **3 cr.**
12611 ECE 9920-030 (5/27-7/27) TBA Dr. Singh
Topics: fluid mechanics, boundary layer theory, electromagnetic theory, switching theory, remote sensing information theory, random processes and statistical decision theory. Given at King of Prussia, PA. Permission of Chairperson required.

ECE Graduate Practicum **1 cr.**
12612 ECE 9940-030 (5/27-7/27) TBA Dr. Singh
Provides work experience for a graduate student who has been offered an opportunity to work in the electrical or computer engineering field in industry. Required for curricular practical training.

Graduate Practicum Continuation **0 cr.**
12613 ECE 9941-030 (5/27-7/27) TBA Dr. Singh
Prerequisite: ECE 9940.

ENGLISH

Dr. Radcliffe, *Chair*
Office: 402 St. Augustine
Phone: 610-519-4630

The Literary Experience **3 cr.**
12280 ENG 1050-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m. Dr. O'Neil
Introduction to literature and the methods of literary analysis. Close readings of texts. Individual sections vary in the works covered. Writing Intensive.

Internship Elective **3 cr.**
12770 ENG 1903-030 (5/27-7/27) TBA Staff
Permission of the Chairperson is required.

Internship Elective **6 cr.**
12771 ENG 1906-030 (5/27-7/27) TBA Staff
Permission of the Chairperson is required.

Core Sem: Identity & Difference **3 cr.**
12281 ENG 1975-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m. Dr. Bonds
Careful reading of and intensive writing about literature. Individual sections vary in themes and works covered. Restricted to Arts & Sciences students governed by the New Core Curriculum instituted in Fall 2011.

Adv Expository Writing **3 cr.**
12435 ENG 2000-025 (6/26-7/27) Ms. Ross
This is a Distance Learning section of this course. Please see page 81 for more information.

Journalism **3 cr.**
12282 ENG 2020-015 (5/27-6/24) Staff
This is a Distance Learning section of this course. Please see page 81 for more information.

Topic: Technical Editing **3 cr.**
12624 ENG 2045-035 (5/27-7/27) Dr. Graziano
This is a Distance Learning section of this course. Please see page 81 for more information.

Topic: Advanced Business Writing **3 cr.**
12625 ENG 2045-036 (5/27-7/27) **Dr. Graziano**
This is a Distance Learning section of this course. Please see page 81 for more information.

Internship **3 cr.**
12772 ENG 2993-030 (5/27-7/27) *TBA* Staff
Permission of the Chairperson is required.

Internship **6 cr.**
12773 ENG 2996-030 (5/27-7/27) *TBA* Staff
Permission of the Chairperson is required.

Black British Literature & Culture after 1900 **3 cr.**
12436 ENG 3690-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.* Dr. Akoma
Specific topics vary each semester.

ETHICS

Dr. Doorley, *Director*
Office: 104 St. Augustine
Phone: 610-519-4692

The Good Life: Eth& Cont Prob **3 cr.**
12283 ETH 2050-015 (5/27-6/24) **Dr. Wicks**
12284 ETH 2050-016 (5/27-6/24) **Dr. Shin**
12285 ETH 2050-017 (5/27-6/24) **Ms. Falcetano**
12437 ETH 2050-025 (6/26-7/27) **Dr. Schultz**
12438 ETH 2050-026 (6/26-7/27) **Mr. Davidson**
These are Distance Learning sections of this course. Please see page 81 for more information.

Independent Study in Ethics **3 cr.**
12626 ETH 4975-030 (5/27-7/27) *TBA* Staff
Topic in Ethics chosen by the student and approved by the professor and the Director of the Ethics Program.

FINANCE

Dr. Shaffer, *Chair*
Office: 2017 Bartley
Phone: 610-519-7395

Intermediate Corporate Finance **3 cr.**
12439 FIN 2114-020 (6/26-7/27) *MTWThF 10:30 a.m. -12:20 p.m.* Dr. Gargir
Risk and return relationships; valuation models; cost of capital; capital structure; capital budgeting; dividend policy; international financial transactions; financial statement analysis and forecasting; working capital management. Emphasis on computer applications and case studies. Prerequisite: (VSB 2010 and VSB 2020 Concurrency: Yes) or FIN 1113.

Fixed Income Markets and Valuation **3 cr.**
12286 FIN 2227-010 (5/27-6/24) *MTWThF 12:30-2:20 p.m.* Dr. Nawrocki
Overview of fixed income markets and securities traded within those markets; bond valuation; duration and convexity of fixed income securities; asset backed security markets and valuation; credit risk analysis interest rate determination and models; interest rate risk management. Prerequisite: (VSB 2010 and VSB 2020 Concurrency: Yes) or FIN 1113.

Finance Internship **3 cr.**
 12774 FIN 3350-030 (5/27-7/27) TBA Staff
 Employment with an approved firm in the area of Finance where experience is gained with appropriate training, instruction, and supervision. Course does not fulfill the requirements for major. Prerequisites: Junior or Senior standing, a minimum GPA of 2.5, and approval of the Department Chairperson required.

Independent Study - Finance **3 cr.**
 12627 FIN 3360-030 (5/27-7/27) TBA Staff
 Independent study under a faculty member's guidance in an area of special interest to the student. The area of interest must be discussed with the faculty member prior to registration. Course does not fulfill the requirements for major. Prerequisites: FIN 2227 and FIN 2323 and FIN 2114 concurrency. Finance major with Senior standing, and written permission of Chairperson required.

GEOGRAPHY AND THE ENVIRONMENT

Dr. Galgano, *Chair*
 Office: G67 Mendel
 Phone: 610-519-3337

Internship Elective **3 cr.**
 12775 GEV 1903-030 (5/27-7/27) TBA Dr. Galgano
 Permission of Instructor required.

Internship Elective **6 cr.**
 12776 GEV 1906-030 (5/27-7/27) TBA Dr. Galgano
 Permission of Instructor required.

Internship **3 cr.**
 12777 GEV 2993-030 (5/27-7/27) TBA Dr. Galgano
 Permission of Instructor required.

Internship **6 cr.**
 12778 GEV 2996-030 (5/27-7/27) TBA Dr. Galgano
 Permission of Instructor required.

Topical Research Problems **3 cr.**
 12628 GEV 3590-030 (5/27-7/27) TBA Dr. Galgano
 Individual projects or studies in geography and the environment.

Independent Study **3 cr.**
 12629 GEV 6200-030 (5/27-7/27) TBA Dr. Galgano
 12630 GEV 6200-031 (5/27-7/27) TBA Dr. Henderson
 12631 GEV 6200-032 (5/27-7/27) TBA Dr. Rodrigues
 12632 GEV 6200-033 (5/27-7/27) TBA Dr. Weston
 12633 GEV 6200-034 (5/27-7/27) TBA Dr. Goldsmith
 12634 GEV 6200-035 (5/27-7/27) TBA Dr. Vile
 Individual projects or studies in geography and the environment. Writing Intensive. Permission of Instructor required.

GLOBAL INTERDISCIPLINARY STUDIES

Dr. Keita, *Director*
Office: 36 Garey Hall
Phone: 610-519-6302

ARABIC

Basic Arabic I

6 cr.

12228 ARB 1111-010 (5/27-6/24) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Omran

Functional use of Modern Standard Arabic for students with no prior knowledge of Arabic. Recitations, readings and oral drills.

Basic Arabic II

6 cr.

12391 ARB 1112-020 (6/26-7/27) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Omran

Functional use of Modern Standard Arabic for students. Recitations, readings and oral drills, supplementary language laboratory work. Prerequisites: ARB 1111 or equivalent or permission of instructor.

CHINESE

Chinese Culture

3 cr.

12241 CHI 2143-015 (5/27-6/24) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Zhou

This is a Distance Learning section of this course. Please see page 81 for more information.

JAPANESE

Introductory Japanese I

6 cr.

12296 JPN 1111-010 (5/27-6/24) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Hamada

Functional use of Japanese for students with no prior knowledge of Japanese. Communication skills (speaking and listening), reading and writing skills. Supplementary practice with computer.

Introductory Japanese II

6 cr.

12451 JPN 1112-020 (6/26-7/27) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Nakagawa

Functional use of Japanese for students. Communication skills (speaking and listening), reading and writing skills. Supplementary practice with computer.

Japanese Literature English Translation

3 cr.

12452 JPN 2100-025 (6/26-7/27)

Dr. Nakagawa

This is a Distance Learning section of this course. Please see page 81 for more information.

RUSSIAN

Introductory Russian I

6 cr.

12362 RUS 1111-010 (5/27-6/24) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Briker

Functional use of Russian for students with no prior knowledge of Russian. Recitations, readings and oral drills. Supplementary language laboratory work.

Introductory Russian II

6 cr.

12497 RUS 1112-020 (6/26-7/27) *MTWThF 9:00 a.m.-12:50 p.m.*

Dr. Briker

Functional use of Russian for students. Recitations, readings and oral drills. Supplementary language laboratory work.

HISTORY

Dr. Rosier, *Chair*

Office: 403 St. Augustine

Phone: 510-519-4660

Islam and the West

12289 HIS 1060-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.*

Selected core courses exploring religion in different eras with emphasis on cross cultural interaction.

3 cr.

Dr. Abugideiri

Global Markets: Eq. and Ineq.

13049 HIS 1165-010 (5/27-6/24) *MTWThF 12:30-2:20 p.m.*

Selected core courses that take a global or comparative approach to major issues.

3 cr.

Dr. Little

TOP: History of American Law

12444 HIS 2998-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.*

Selected topics in American history of interest to faculty and students.

3 cr.

Dr. Ricci

GRADUATE COURSES

TOP: Reconstruction

12635 HIS 8002-030 (5/27-7/27) *W 6:10-8:50 p.m.*

Selected topics in North American History. Topic will be announced in advance of registration.

3 cr.

Dr. Giesberg

TOP: Gender and Empire in the Middle East

12993 HIS 8002-032 (5/27-7/27) *M 6:10-8:50 p.m.*

Understanding that the fields of Middle East gender and women's studies were radically impacted by the publishing of Edward Said's *Orientalism* (as well as Joan W. Scott's *Gender and the Politics of History*), we will focus on the ways that historians of the Middle East and North Africa have written their narratives since the 1990's. Topically, we will examine salient issues revolving around European imperialism and nationalism, including decolonization, women's resistance, "the veil", the modern nation-state, citizenship, and personal status laws.

3 cr.

Dr. Abugideiri

The Cold War as History

12637 HIS 8682-030 (5/27-7/27) *T 6:10-8:50 p.m.*

Origins, conduct, and outcomes of the Cold War, and analysis of evolving interpretations of this conflict and its significance.

3 cr.

Dr. Gallicchio

Grad Internship in Public History

12638 HIS 9006-030 (5/27-7/27) *TBA*

Internships at area public history sites arranged and supervised by members of the faculty. Practical experience in public history, opportunities to advance historical knowledge, skills, and understanding while applying them to contemporary situations and problems. Graduate students may take this course only once. For graduate students only: permission of graduate program director required.

3 cr.

Dr. Giesberg

Directed Readings in History

12639 HIS 9012-030 (5/27-7/27) *TBA*

An independent study and reports on selected topics. Permission of the instructor and approval of the graduate chairperson are required.

3 cr.

Dr. Giesberg

HONORS

Dr. Smith, *Director*
Office: 113 Garey Hall
Phone: 610-519-7300

Independent Study & Research

12640 HON 5500-030 (5/27-7/27) *TBA*

Independent Study and Research. Permission of Director required. Writing Enriched Requirement.

3 cr.

Dr. Smith

Independent Study and Research Science

12641 HON 5506-030 (5/27-7/27) *TBA*

Independent Study and Research in Science. Permission of Director required. Writing Enriched Requirement.

3 cr.

Dr. Smith

MASTERS IN HUMAN RESOURCE DEVELOPMENT

Dr. Bush, *Director*
Office: 119 St. Mary's Hall
Phone: 610-519-4582

Financial Management

12642 HRD 8003-030 (5/27-7/27) *M 6:00-9:00 p.m.*

Financial management and budgetary skills for profit-making organizations.

3 cr.

Mr. Powell

Internship in HRD

12643 HRD 8010-030 (5/27-7/27) *TBA*

HR field experience in agency or organization. May be waived with appropriate experience.

3 cr.

Dr. Bush

Individual Research in HRD

12644 HRD 8012-030 (5/27-7/27) *TBA*

Individual research project conducted under the direction of a Human Resource Development faculty member. Permission of the Program's Director and consent of the faculty member.

3 cr.

Dr. Bush

Work/Life Balance

12291 HRD 8301-010 (6/19-6/20) *F 6:00-9:00 p.m.*

S 9:00 a.m.-5:00 p.m.

Work/life balance issues, current programs in practice and policy in relation to recruitment, employee relations, compensation, benefits, training and organizational development.

1 cr.

Dr. Bush

International Human Resources

12445 HRD 8302-020 (7/10-7/11) *F 6:00-9:00p.m.*

S 9:00 a.m.-5:00 p.m.

Dimensions of global human resources management.

1 cr.

Dr. Bush

Project Management

12292 HRD 8309-010 (6/12-6/13) *F 6:00-9:00 p.m.*

S 9:00 a.m.-5:00 p.m.

Components of project planning, monitoring, and evaluation.

1 cr.

Dr. Bush

Consulting in Human Resources12293 HRD 8320-010 (6/5-6/6) *F 6:00-9:00 p.m.***1 cr.**

Dr. Bush

S 9:00 a.m.-5:00 p.m.

A review of the components of HR consulting with an emphasis on business development in a tight economy. Material adapted from a series of Consultant's Forum Workshops conducted at the SHRM National Convention held in Philadelphia.

Executive Coaching12446 HRD 8333-020 (7/24-7/25) *F 6:00-9:00 p.m.***1 cr.**

Dr. Bush

S 9:00 a.m.-5:00 p.m.

New skills to apply at work. Step-by-step approach to coaching for improved employee performance. Skills presented, modeled and then practiced by participants. Review of audio tapes of practice sessions for instructor-led feedback. Coaching's role in a larger systems model enhancing development, selection and succession planning.

Workplace Violence12447 HRD 8899-020 (6/26-6/27) *F 6:00-9:00 p.m.***1 cr.**

Dr. Bush

S 9:00 a.m.-5:00 p.m.

Contemporary topics in Human Resource Development. These courses reflect critical and changing human resource topics. The course offerings will vary each semester; Please check the HRD web site (www.gradhrd.villanova.edu) under Weekend Seminars, for a current list of courses offered.

Onboarding12448 HRD 8899-021 (7/17-7/18) *F 6:00-9:00 p.m.***1 cr.**

Dr. Bush

S 9:00 a.m.-5:00 p.m.

Contemporary topics in Human Resource Development. These courses reflect critical and changing human resource topics. The course offerings will vary each semester; please check the HRD website (www.gradhrd.villanova.edu) under Weekend Seminars, for a current list of courses offered.

Organizational Change Mgmt.12737 PSY 8875-030 (5/27-7/27) *W 6:00-9:00 p.m.***3 cr.**

Dr. Sawyer

Diagnostic techniques for identifying organization problems. Strategic organizational change for increased quality, productivity and employee satisfaction.

LEADERSHIPMs. Bustamante, *Director*

Office: 107 Vasey Hall

Phone: 610-519-4300

Ethics and Leadership

12645 LDR 2040-035 (5/27-7/27)

3 cr.

Dr. Martini

This is a Distance learning section of this course. This course is restricted to Part-Time Studies students in the BIS degree program. Please see page 81 for more information.

GRADUATE LIBERAL STUDIES PROGRAM

Dr. Hill, *Director*
Office: 103 St. Augustine
Phone: 610-519-7325

Foundation/Ancient: Iliad **3 cr.**
12646 LST 7100-030 (5/27-7/27) *W 6:15-9:30 p.m.* Dr. Satterfield

Great Books: Horror and Terror **3 cr.**
12647 LST 7102-030 (5/27-7/27) *T 6:15-9:30 p.m.* Dr. Anolik

American Religion and Culture **3 cr.**
12648 LST 7300-030 (5/27-7/27) *Th 6:15-9:30 p.m.* Dr. McCarragher

Directed Reading Seminar **3 cr.**
12649 LST 8000-030 (5/27-7/27) *TBA* Dr. Hill

Independent Study and Research **3 cr.**
12650 LST 8100-030 (5/27-7/27) *TBA* Dr. Hill

MANAGEMENT AND OPERATIONS

Dr. Quigley, *Chair*
Office: 2083 Bartley
Phone: 610-519-8069

B.A. Internship **3 cr.**
12787 MGT 3310-030 (5/27-7/27) *TBA* Staff
Employment with approved business firms, where various meaningful assignments are performed with appropriate training, instruction, and supervision. Department chair approval required.

Business Analytics **3 cr.**
12383 VSB 2008-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.* Dr. Strandberg
Use of business intelligence and quantitative methods, including statistical analysis, forecasting/extrapolation, predicative modeling, optimization and simulation in the context of organization decision making and problem solving. Prerequisites: MAT 1400 or MAT 1500 and MAT 1430 or MAT 1235 and VSB 1000 and ECO 1001 and ECO 1002 and VSB 1001 and VSB 1002 or VSB 1005 or VSB 1015.

Business Analytics **3 cr.**
12384 VSB 2008-015 (5/27-6/24) Dr. Mahar
12385 VSB 2008-016 (5/27-6/24) Dr. Mahar
These are Distance Learning sections of this course. Please see page 81 for more information.

Operations Management **3 cr.**
12386 VSB 3008-010 (5/27-6/24) *MTWThF 2:30-4:20 p.m.* Dr. Myers
Concepts and techniques for problems in manufacturing and service organizations. Topics: decision-making, forecasting, resource allocation, project management, quality, materials management, technology and strategy. Prerequisites: MAT 1430 or MAT 1235 and VSB 2010 and VSB 2020.

Operations Management	3 cr.
12387 VSB 3008-015 (5/27-6/24)	Dr. S. Chaudhry
12388 VSB 3008-016 (5/27-6/24)	Dr. S. Chaudhry
12389 VSB 3008-017 (5/27-6/24)	Dr. Wright
12390 VSB 3008-018 (5/27-6/24)	Dr. Wright

These are Distance Learning sections of this course. Please see page 81 for more information.

MARKETING AND BUSINESS LAW

Dr. Bonner, *Chair*
Office: 3014 Bartley
Phone: 610-519-4350

Independent Study - Marketing	3 cr.
12676 MKT 3350-030 (5/27-7/27) TBA	Dr. Bonner

Independent study under faculty guidance in an area of student's special interest. Prerequisites: (VSB 2020 and VSB 2010) or MKT 1137 or SBI 1108 or SBI 3006. Permission of Instructor required.

Internship Marketing	3 cr.
12789 MKT 3450-030 (5/27-7/27) TBA	Dr. Bonner

Employment with approved firm where varied Marketing experience is gained with appropriate training, instruction and supervision. Junior/Senior standing and GPA GE 2.5. Permission of Instructor required.

Independent Study - Business Law	3 cr.
12531 BL 3350-030 (5/27-7/27) TBA	Dr. Bonner

Independent Study under faculty guidance in an area of student's special interest. Permission of Faculty and Department Chairperson. Prerequisites: BL 1090 or VSB 2007 or SBI 2006.

MATHEMATICAL SCIENCES

Dr. Norton, *Chair*
Office: 305 St. Augustine
Phone: 610-519-4851

Introductory Statistics I	3 cr.
12297 MAT 1230-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m.	Dr. Pigeon

Displaying and summarizing data, basic probability concepts, normal distributions, sampling distributions, estimation for a single population parameter, regression and correlation. Not open to students who have completed MAT 1505.

12651 MAT 1230-035 (5/27-7/27) **Dr. Lupinacci**
This is a Distance Learning section of this course. Please see page 81 for more information.

Calculus I	4 cr.
12298 MAT 1500-010 (5/27-6/24) MTWThF 10:30 a.m.-12:50 p.m.	Dr. Feeman
12652 MAT 1500-030 (5/27-7/27) MW 5:20-8:00 p.m.	Ms. Ferreira

Limits, transcendental functions (logarithms, exponential functions, inverse trigonometric functions), differentiation (definition, tangent lines, rates of change, techniques, implicit differentiation, related rates), applications of differentiation (graphing, optimization), indeterminate forms and L'Hopital's Rule. Use of a computer algebra system, e.g. MAPLE.

Calculus II**4 cr.**12453 MAT 1505-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:50 p.m.*

Ms. Baranski

12653 MAT 1505-030 (5/27-7/27) *TTh 5:20-8:00 p.m.*

Mr. Santomas

Integration (indefinite, definite), applications of integration (area, volume, applications to physics and economics, etc.), methods of integration, approximate integration (trapezoidal and Simpson's rules), improper integrals, differential equations, infinite sequences and series. Continued use of a computer algebra system. Prerequisite: MAT 1500.

Internship Elective**6 cr.**12784 MAT 1906-030 (5/27-7/27) *TBA*

Dr. Norton

Internship Elective. Permission of Director required.

Calculus III**4 cr.**12454 MAT 2500-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:50 p.m.*

Mr. Chiacchiere

12654 MAT 2500-030 (5/27-7/27) *MW 5:20-8:00 p.m.*

Dr. E. Pasles

Parametric equations, polar, cylindrical, and spherical coordinates; vectors and the geometry of space; vector functions (derivatives, integrals, curvature, etc.); partial derivatives; optimization; multiple integration and its applications; vector calculus (line integrals, vector analysis). Continued use of a computer algebra system. Prerequisite: MAT 1505.

Differential Equation with Linear Algebra**4 cr.**12655 MAT 2705-030 (5/27-7/27) *TTh 5:20-8:00 p.m.*

Dr. Gluchoff

First order and linear second order differential equations, matrices, and linear equation systems, eigenvalues and eigenvectors, and linear systems of differential equations. Prerequisite: MAT 1505.

Internship**3 cr.**12785 MAT 2993-030 (5/27-7/27) *TBA*

Dr. Norton

Internship. Permission of Director required.

Internship**6 cr.**12786 MAT 2996-030 (5/27-7/27) *TBA*

Dr. Norton

Internship. Permission of Director required.

Independent Study**1 cr.**12656 MAT 5991-030 (5/27-7/27) *TBA*

Staff

Reading in a selected branch of mathematics under the direction of a member of the staff. May be repeated for credit. Prerequisite: MAT 1505.

Independent Study**3 cr.**12657 MAT 5993-030 (5/27-7/27) *TBA*

Staff

12658 MAT 5993-031 (5/27-7/27) *TBA*

Staff

12659 MAT 5993-032 (5/27-7/27) *TBA*

Staff

Reading in a selected branch of mathematics under the direction of a member of the staff. May be repeated for credit. Prerequisite: MAT 1505.

GRADUATE COURSES**Sampling Methods****3 cr.**12660 MAT 8454-030 (5/27-7/27) *M 6:00-9:30 p.m.*

Dr. Frey

Sampling and survey methodology, basic sampling theory, random and stratified sampling, systematic sampling errors, estimation procedures. Prerequisites: Graduate Arts and Sciences level MAT 7405. Minimum Grade of C.

Independent Study	3 cr.
12661 MAT 8800-030 (5/27-7/27) TBA	Staff
12662 MAT 8800-031 (5/27-7/27) TBA	Staff
12263 MAT 8800-032 (5/27-7/27) TBA	Staff
Reading in a selected branch of mathematics under the direction of a member of the faculty.	

MECHANICAL ENGINEERING

Dr. Nataraj, *Chair*
Office: 131 Tolentine
Phone: 610-519-4980

Dynamic Systems I	3 cr.
12664 ME 2101-030 (5/27-7/27) TTh 5:00-7:00 p.m.	Dr. Nersesov
Kinematics, velocity, and acceleration of particles in Cartesian, cylindrical, and spherical reference frames, projectile motion, dynamics of particles, momentum principles, systems of particles, rigid body kinematics and dynamics. Prerequisites: ME 2100 or CEE 2104 and MAT 2705.	

12665 ME 2101-D35 (5/27-7/27) TTh 5:00-7:00 p.m.	Dr. Nersesov
This is a Distance Learning section of this course. Please see page 81 for more information.	

GRADUATE COURSES

Mech & Therm Behav of Solids	3 cr.
12666 ME 8302-030 (5/27-7/27) T 2:00-5:30 p.m.	Dr. Jen
Mechanisms for plastic deformation, creep, fatigue, and fracture; effects of stress, defects, structure, temperature, and corrosive environments on material behavior.	

12667 ME 8302-D35 (5/27-7/27) T 2:00-5:30 p.m.	Dr. Jen
This is a Distance Learning section of this course. Please see page 81 for more information.	

Independent Study	3 cr.
12668 ME 9000-030 (5/27-7/27) TBA	Dr. Nataraj
Individual supervised study on special topics in Mechanical Engineering. May include some research related to the topics. Approval of Chair and faculty advisor.	

Thesis Research I	3 cr.
12669 ME 9031-030 (5/27-7/27) TBA	Dr. Nataraj
Supervised participation in thesis research; registration to be approved by department chairperson and thesis advisor.	

Thesis Research II	3 cr.
12670 ME 9032-030 (5/27-7/27) TBA	Dr. Nataraj
Second course of supervised participation in thesis research; registration to be approved by department chair and thesis advisor.	

Thesis Continuation	0 cr.
12671 ME 9080-030 (5/27-7/27) TBA	Dr. Nataraj

Independent Study Continuation	0 cr.
12672 ME 9085-030 (5/27-7/27) TBA	Dr. Nataraj

ME Graduate Practicum**1 cr.**

12673 ME 9086-030 (5/27-7/27) TBA

Dr. Nataraj

Provides work experience for a graduate student who has been offered an opportunity to work in the mechanical engineering field in industry. Required for curricular practical training.

ME Graduate Practicum Continuation**0 cr.**

12674 ME 9087-030 (5/27-7/27) TBA

Dr. Nataraj

Continuation of Mechanical Engineering Graduate Practicum. Required for extension of Curricular Practical Training (CPT).

NURSINGDr. Fitzpatrick, *Dean*Office: Driscoll Hall, 1st Floor

Phone: 610-519-4900

Principles of Nutrition**3 cr.**

12303 NTR 2120-015 (5/27-6/24)

Dr. Costello

12304 NTR 2120-016 (5/27-6/24)

Dr. Costello

These are Distance Learning sections of this course. Please see page 81 for more information. Restricted to Nursing Students only.

Healthy Lifestyles and Human Values**3 cr.**

12308 NUR 2200-015 (5/27-6/24)

Dr. Petit deMange

This is a Distance Learning section of this course. Please see page 81 for more information. Restricted to Non-Nursing Students only.

Health Assessment**2 cr.**

12309 NUR 2204-010 (5/28-6/9)

Dr. Capriotti

Health assessment of individuals from birth through older adulthood, emphasizing the healthy adult. Health history and physical examination are discussed addressing evidence-based practice, clinical reasoning, genetics, genomics, culture, spirituality, human development, health teaching, therapeutic communication, patient safety and professional values. Corequisite: NUR 2205. Prerequisites: NUR 1104. Permission of the Program Director required.

Essentials of Nursing Practice**2 cr.**

12313 NUR 2206-010 (6/9-6/23)

Ms. Hickey

Best practices in professional nursing applied to patient care skills, including safety, hygiene, activity, nutrition, elimination, sleep, oxygenation, and health education are discussed. Using health assessment and clinical reasoning, nursing interventions to meet health care needs of individuals are addressed. Corequisite: NUR 2207. Prerequisites: NUR 2204 and NUR 2205. Permission of the Program Director required.

Research and Scientific Evidence in Nursing Practice**3 cr.**

12317 NUR 2810-015 (5/27-6/24)

Dr. Cantrell

This is a Distance Learning section of this course. Please see page 81 for more information.

Health Promotion & Home Health**3 cr.**12684 NUR 4112-030 (5/27-7/27) *T 9:00 a.m.-1:30 p.m.*

Ms. Schneider & Staff

12685 NUR 4112-031 (5/27-7/27) *T 9:00 a.m.-1:30 p.m.*

Ms. Schneider & Staff

Nursing care for individuals, families, communities and populations. Emphasis is placed on designing, implementing and evaluating population based interventions to promote health. Consideration is given to populations experiencing chronic health problems being cared for in the home and community. Restricted to Alternate Sequence students. Prerequisites: NUR 4104 and NUR 4105 and NUR 4108 and NUR 4109 and NUR 2810 and NUR 3122 and NUR 4113, Concurrency: Yes.

Practicum Health Promotion & Home Health**5 cr.**12688 NUR 4113-030 (5/27-7/27) *MW 8:00 a.m.-4:00 p.m.*

Ms. Schneider & Staff

12689 NUR 4113-031 (5/27-7/27) *MW 8:00 a.m.-4:00 p.m.*

Ms. Schneider & Staff

Clinical application of evidence based nursing care in community based settings that provide home care and ambulatory care for individuals, families, communities, and populations of all ages. Application of health promotion strategies for populations to maintain or improve health. Class meets in Hospital. Restricted to Alternate Sequence students. Prerequisites: NUR 4104 and NUR 4105 and NUR 4108 and NUR 4109 and NUR 4112, Concurrency: Yes.

Field Work Leadership & Mgmt.**3 cr.**12320 NUR 4117-010 (5/27-6/24) *ThF 7:00 a.m.-7:00 p.m.*

Ms. Ellis

12463 NUR 4117-020 (6/26-7/27) *ThF 7:00 a.m.-7:00 p.m.*

Ms. Ellis

Clinical application of principles of leadership and management and organizational processes in nursing practice. Field work experiences may include acute care, long-term care, home health, and community based settings. Restricted to Alternate Sequence students. Prerequisites: NUR 4104 and NUR 4105 and NUR 4108 and NUR 4109 and NUR 4114 Concurrency: Yes.

Quality & Safety in Healthcare**1 cr.**12322 NUR 4200-010 (5/27-6/24) *T 2:00-5:00 p.m.*

Dr. Gray-Siracusa

Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

Evidenced Based Nursing Practice**1 cr.**12323 NUR 4200-011 (5/27-6/16) *T 2:00-6:00 p.m.*

Dr. Kear

Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

The Prematurity Epidemic**1 cr.**12324 NUR 4200-012 (5/27-6/24) *T 2:00-5:00 p.m.*

Dr. Kelly

Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

Mindfulness Based Meditation**1 cr.**12325 NUR 4200-013 (5/27-6/24) *T 2:00-5:00 p.m.*

Ms. Stabler-Haas

12466 NUR 4200-021 (6/26-7/27) *T 2:00-5:00 p.m.*

Ms. Stabler-Haas

Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

Chronic Pain Management**1 cr.**12465 NUR 4200-020 (6/26-7/27) *T 2:00-5:00 p.m.*

Dr. Willens

Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

Human Trafficking from a Global Perspective **1 cr.**
12467 NUR 4200-022 (6/26-7/27) T 2:00-5:00 p.m. Dr. Copel
Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

Historical Perspectives in Nursing **1 cr.**
12468 NUR 4200-023 (6/26-7/27) T 2:00-5:00 p.m. Dr. Maldonado
Opportunity for focused study of selected topics, such as current issues and trends in nursing and healthcare. Restricted to Alternate Sequence students.

GRADUATE COURSES

Explorations in Loss **3 cr.**
12330 NUR 7082-010 (5/27-6/24) MW 4:30-7:30 p.m. Dr. Copel
Social, cultural and psychological conditions that influence human grief in modern society.

Clinical Mgmt in Adulthood II **3 cr.**
12692 NUR 8509-030 (5/27-7/27) W 9:30 a.m.–12:30 p.m. Ms. Nestor
Focus on disease processes found frequently or exclusively in older adults in primary care, home settings and life communities. Targeted health promotion, disease prevention and restorative care are stressed. Prerequisite: NUR 8511 and NUR 8512.

Prac Clin Mgmt in Adulthood II **2 cr.**
12693 NUR 8510-030 (5/27-7/27) W 1:30-3:30 p.m. Ms. Barbour/Ms. Stellabotte
Clinical practice experiences in which students apply advanced nursing theory in planning nursing interventions for health promotion and illness management of healthy and vulnerable older adults and their families in a variety of settings. Prerequisite: NUR 8511 and NUR 8512.

Clinical Mgmt Family Care II **3 cr.**
12694 NUR 8609-030 (5/27-7/27) W 9:30 a.m.-12:30 p.m. Ms. Vanaski
Second FNP course focused on the primary care of children and childbearing women as seen in the primary care setting. Client situations are assessed within the context of family and community. Provides the theory for NUR 8610. Nurse Practitioner students only. Corequisite: NUR 8610. Prerequisites: NUR 8611 and 8612.

Practical Clinical Management Family Care II **2 cr.**
12695 NUR 8610-030 (5/27-7/27) W 1:30-3:30 p.m. Dr. Blunt
Provides clinical experience for students to apply advanced nursing theory in planning interventions for health promotion and illness management of children and women of childbearing age in primary care. Nurse Practitioner students only. Corequisite: NUR 8609. Prerequisites: NUR 8611 and NUR 8612.

Issues in Adolescents **1 cr.**
12952 NUR 8809-030 (5/27-7/27) W 9:30 a.m.-12:30 p.m. Dr. Kelly
Evaluate, diagnose and manage common problems in adolescent primary care. Health promotion and disease prevention are emphasized. Prerequisite: NUR 8811.

Practicum: Pediatric Primary Care **2 cr.**
12953 NUR 8810-030 (5/27-7/27) W 1:30-3:30 p.m. Ms. Vanaski
Management of common problems in adolescent primary care. Topics pertinent to the delivery of primary care to pediatric clients. Prerequisite: NUR 8812.

Issues in Health and Delivery Systems **3 cr.**
12696 NUR 8900-030 (5/26-6/5) MTWThF 9:00 a.m.-5:00 p.m. Dr. Sharts-Hopko/
Ph.D. students only. Dr. McDermott-Levy

Advanced Pathophysiology 3 cr.
12697 NUR 8901-035 (5/27-7/27) Dr. Miller
12698 NUR 8901-036 (5/27-7/27) Dr. Miller
These are Distance Learning sections of this course. Please see page 81 for more information.

Development of Nursing Science 3 cr.
12699 NUR 8902-035 (5/27-7/27) Dr. Slaninka
This is a Distance Learning section of this course. Please see page 81 for more information.

Nursing Research 3 cr.
12700 NUR 8904-035 (5/27-7/27) Dr. Cantrell
This is a Distance Learning section of this course. Please see page 81 for more information.

Leadership Strategies 3 cr.
12702 NUR 8906-030 (5/18-7/6) M 10:00 a.m.-1:15 p.m. Dr. Haynor
12703 NUR 8906-031 (5/18-7/6) M 4:30-7:45 p.m. Dr. Haynor
Phenomenon of leadership, the differences between leadership and management, and strategies for providing leadership in nursing. NUR 8906-030 is restricted to Nurse Anesthetist students only—others by permission of instructor. Prerequisite: NUR 8912 or NUR 8812 or NUR 8712 or NUR 8939 or NUR 8954 or NUR 8948 or NUR 9024 or NUR 9028. These courses are 50% Distance Learning.

Advanced Physical Assessment 4 cr.
12704 NUR 8910-030 (5/27-7/27) Th 9:30 a.m-3:30 p.m. Dr. Blunt/Ms. Stellabotte
Knowledge and skills necessary for the delivery of primary care to clients. Specific sessions for advanced pediatric, geriatric and adult physical assessment. Nurse Anesthesia students only. This course is 50% Distance Learning. Must attend all on campus classes on June 4, 18, July 2 and 16, 2015.

Clinical Ethics 3 cr.
12705 NUR 8964-030 (5/27-7/27) T 4:30-7:30 p.m. Dr. Ott
Exploration of moral dilemmas within the health care professions; ethical theories and principles; professional responsibility and accountability; patients' rights; social justice in health care. This course is 50% Distance Learning. On campus classes are June 30, July 7, 14 & 21, 2015.

Independent Study 3 cr.
12707 NUR 9002-030 (5/27-7/27) TBA Dr. Schlag

Advanced Study in Nursing 3 cr.
12709 NUR 9004-030 (5/27-7/27) TBA Dr. Schlag
Design a creative project that will provide an insightful study of an idea, theory, issue, or problem.

Advanced Anatomy and Physiology II 3 cr.
12801 NUR 9021-030 (5/27-7/27) Th 9:00 a.m.-4:00 p.m. Dr. McCoy/Dr. Szlachta
Inorganic and organic chemistry related to anesthesia administration. Nurse Anesthesia students only.

Anesthesia Clinical Practice IV 1 cr.
12802 NUR 9103-030 (5/27-7/27) TBA Dr. McCoy/Dr. Szlachta
Clinical anesthesia practice is provided to refine basic anesthetic skills as demonstrated in cases of increased complexity. Nurse Anesthesia students only.

Anesthesia Clin. Prac VIII**1 cr.**

12803 NUR 9106-030 (5/27-7/27)

Dr. McCoy/Dr. Szlachta

Clinical anesthesia experience is provided with major time involvement in advanced surgical procedures and on managing critically ill patients. Emphasis is on independently executing all phases of anesthetic planning and management under supervision of a licensed anesthesia practitioner. Nurse Anesthesia students only.

DNP Project Seminar III**2 cr.**12710 NUR 9403-030 (5/27-7/27) *TWThF 9:00 a.m.-6:00 p.m.*

Dr. Shearer

Dr. Bhattacharya

Dr. Gilligan

Focus on implementation of the scholarly DNP Project in the student's practice setting in collaboration with the faculty and clinical mentor. The student is expected to demonstrate project management skills and effective communication and collaboration with diverse personnel.

DNP students only. On campus dates June 9-12, 2015. Prerequisite: NUR 9402.

Innovation in Healthcare**1 cr.**12711 NUR 9405-030 (5/27-7/27) *MTWThF 9:00 a.m.-12:00 p.m.*

Dr. Shearer

Dr. Bhattacharya

Dr. Gilligan

Emphasizes the roles of the advanced practice nurse as a clinical scholar, clinical expert and as a leader in evidence-based practice and transformation of health care. Theories of leadership change and transformation, and innovation diffusion are introduced. DNP students only. On campus dates June 8-12, 2015.

Evidence-Based Practice**3 cr.**12712 NUR 9408-030 (5/27-7/27) *MTWThF 12:30-6:00 p.m.*

Dr. Shearer/Dr. Gomberg

Focuses on the relationships among basic and applied research, translational science, and evidence-based practice in healthcare systems. Translational research strategies are identified and the theoretical and practical challenges of translating evidence into practice will be addressed. On campus dates June 8-12, 2015. DNP students only.

Health Policy**3 cr.**12713 NUR 9409-030 (5/27-7/27) *TWThF 9:00 a.m.-12:00 p.m.*

Dr. Shearer/Dr. Gomberg

Synthesize political action related to the structure of healthcare delivery and finances. Interplay among local, state, federal and global structures and processes, and the role of major policy institutions in the process and outcome of policy formulation will be examined. On campus dates June 9-12, 2015. DNP students only.

Ethical and Legal Healthcare Issues**3 cr.**12714 NUR 9412-030 (5/27-7/27) *TWThF 12:30-6:00 p.m.*

Dr. Shearer

Focuses on ethical and legal topics in complex healthcare organizations. The interface between ethical and regulatory/legal obligations will be examined. Strategies to analyze ethically challenging corporate situations are explored. On campus dates June 9-12, 2015. DNP students only.

Qualitative Research Designs and Methods**3 cr.**12715 NUR 9504-030 (5/27-7/27) *MTWThF 9:00 a.m.-4:00 p.m.*

Dr. Smeltzer

Qualitative approaches to research including phenomenology, hermeneutics, grounded theory, ethnography, case study, historical research, combined methods and issues of rigor and confirmability. Restricted to Ph.D. students. This course is 50% Distance Learning. On campus classes May 26-June 12, 2015.

Philosophy of Higher Education **3 cr.**
12716 NUR 9509-030 (5/27-7/27) *MTWThF 4:00-8:00 p.m.* Dr. Hill
The relation of major philosophical themes and trends up to the twenty-first century to concepts and issues in higher education. Restricted to Ph.D. students. This course is 50% Distance Learning. On campus classes May 26-June 12, 2015.

Advanced Research Design **3 cr.**
12717 NUR 9514-030 (5/27-7/27) *MTWThF 9:00 a.m.-4:00 p.m.* Dr. Copel
Fourth in a sequence of courses that provide structure for development of the dissertation proposal. Restricted to Ph.D. students. This course is 50% Distance Learning. On campus classes May 26-June 5, 2015. Prerequisite: NUR 9513.

PEACE & JUSTICE

Dr. Getek Soltis, *Director*
Office: 106E Corr Hall,
Phone: 610-519-4498

Race, Class, & Gender **3 cr.**
12724 PJ 2800-030 (5/27-7/27) *TTh 6:00-8:00 p.m.* Ms. Anthony
A critical examination of the social constructions of race, class, gender, and sexuality in U.S. culture and the injustices and inequalities that arise from them. Strategies, policies, and procedures for change are also examined.

Internship **3 cr.**
12792 PJ 2993-030 (5/27-7/27) *TBA* Dr. Getek Soltis

Internship **6 cr.**
12793 PJ 2996-030 (5/27-7/27) *TBA* Dr. Getek Soltis

PHILOSOPHY

Dr. Immerwahr, *Acting Chair*
Office: 173 St. Augustine
Phone: 610-519-4690

Knowledge, Reality, Self **3 cr.**
12473 PHI 1000-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.* Staff
Philosophical responses to the questions of how we can know, what is real, and what is the nature of human existence that explore the dialogue between Catholic, Christian, secular and skeptical perspectives on these questions.

12331 PHI 1000-015 (5/27-6/24) **Staff**
12332 PHI 1000-016 (5/27-6/24) **Staff**
12333 PHI 1000-017 (5/27-6/24) **Dr. Klein**
12334 PHI 1000-018 (5/27-6/24) **Dr. Klein**

These are Distance Learning sections of this course. Please see page 81 for more information.

Logic and Critical Thinking **3 cr.**
12474 PHI 2010-020 (6/26-7/27) *MTWThF 12:30-2:20 p.m.* Staff
The study of logic and critical thinking. Topics include: argument identification and analysis; formal and informal logic; fallacies; inductive argument; the role of argumentative structures in various philosophical traditions.

Ethics for Health Care Professionals **3 cr.**
12718 PHI 2115-030 (5/27-7/27) MW 6:00-8:00 p.m. Dr. Napier
Rights and duties of the patient/client and the members of the health care team, death and dying, genetic engineering and manipulation.

Philosophy and Literature **3 cr.**
12475 PHI 2760-025 (6/26-7/27) **Dr. Lang**
This is a Distance Learning section of this course. Please see page 81 for more information.

Internship **3 cr.**
12790 PHI 2993-030 (5/27-7/27) TBA Staff
Departmentally related and academically creditable field work experience. See department chairperson for more information. Permission of Department Chairperson required.

Internship **6 cr.**
12791 PHI 2996-010 (5/27-6/24) TBA Staff
Departmentally related and academically creditable field work experience. See department chairperson for more information.

Philosophy and Film **3 cr.**
12335 PHI 4150-015 (5/27-6/24) **Dr. Carvalho**
12336 PHI 4150-016 (5/27-6/24) **Dr. Carvalho**
12337 PHI 4150-017 (5/27-6/24) **Dr. Carvalho**
These are Distance Learning sections of this course. Please see page 81 for more information.

Independent Study and Research **3 cr.**
12338 PHI 4990-010 (5/27-6/24) TBA Staff
12476 PHI 4990-020 (6/26-7/27) TBA Staff
12719 PHI 4990-030 (5/27-7/27) TBA Staff
Topic chosen by the student and approved by the professor and the chairperson.

GRADUATE COURSES

Independent Study I **3 cr.**
12720 PHI 8830-030 (5/27-7/27) TBA Staff
Independent research on a topic chosen by the student and approved by the professor and the Graduate Director.

Independent Study II **3 cr.**
12721 PHI 8835-030 (5/27-7/27) TBA Staff
Independent research on a topic chosen by the student and approved by the professor and the Graduate Director.

Critical Theory Workshop **0 cr.**
12477 PHI 8885-020 (6/26-7/27) TBA Staff

Dissertation **0 cr.**
12722 PHI 9010-030 (5/27-7/27) TBA Staff
To be taken when Ph.D students have completed course work; may only be taken once. Permission from Director of Graduate Studies.

Dissertation Continuation **0 cr.**
12723 PHI 9081-030 (5/27-7/27) TBA Staff
Prerequisite: PHI 9000 or PHI 9010 or PHI 9020.

PHYSICS

Dr. Maurone, *Chair*
Office: 347 Mendel
Phone: 610-519-4860

General Physics I

3 cr.

12339 PHY 1100-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Dr. Papaefthymiou-Davis
12340 PHY 1100-011 (5/27-6/24) *MTWThF 10:30-12:20 a.m.* Dr. Strieb
Mechanics, heat, and sound. Recommended for Biology majors. Corequisite: PHY 1101.
Prerequisites: MAT 1310 or MAT 1320 or MAT 1330 or MAT 1500.

General Physics I Laboratory

1 cr.

12341 PHY 1101-010 (5/27-6/24) *MWTh 10:30 a.m.-1:00 p.m.* Dr. Papaefthymiou-Davis
12342 PHY 1101-011 (5/27-6/24) *MWTh 12:30 a.m.-3:00 p.m.* Staff
Selected experiments in mechanics, heat, and sound. Recommended for Biology majors.
Corequisite: PHY 1100.

General Physics II

3 cr.

12478 PHY 1102-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Dr. Hones
12479 PHY 1102-021 (6/26-7/27) *MTWThF 10:30-12:20 a.m.* Dr. Strieb
A continuation of PHY 1100; light, electricity and modern physics. Recommended for Biology majors. Pre-requisites: PHY 1100 and MAT 1315 or MAT 1325 or MAT 1335 or MAT 1505.
Corequisite: PHY 1103

General Physics II Laboratory

1 cr.

12480 PHY 1103-020 (6/26-7/27) *MWTh 10:30 a.m.-1:00 p.m.* Staff
12481 PHY 1103-021 (6/26-7/27) *MWTh 12:30 -3:00 p.m.* Dr. Saxon
Selected experiments in light and electricity. Recommended for Biology majors. Prerequisite: PHY 1101. Corequisite: PHY 1102.

The Concept of Light

3 cr.

12482 PHY 1500-025 (6/26-7/27) Dr. Siah
This is a Distance Learning section of this course. Please see page 81 for more information.

Gravity

3 cr.

12343 PHY 1502-015 (5/27-6/24) Dr. Siah
This is a Distance Learning section of this course. Please see page 81 for more information.

University Physics: Mechanics

3 cr.

12344 PHY 2410-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Dr. Besson
Vectors, kinematics, and dynamics of particles, rigid bodies, and fluids. Recommended for Science and Engineering majors. Corequisite: PHY 2411. Prerequisite: MAT 1500 concurrency.

Lab: Mechanics

1 cr.

12345 PHY 2411-010 (5/27-6/24) *MWTh 10:30 a.m.-1:00 p.m.* Dr. Besson
Selected experiments demonstrating the fundamental principles of Mechanics and Waves with emphasis on techniques of measurements and data analysis. Recommended for Science majors. Corequisite: PHY 2410

Univ. Physics: Electricity & Magnetism

3 cr.

12483 PHY 2412-020 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Dr. Vassiliou
Electrostatics, DC circuits, magnetism, and AC circuits. Recommended for Science majors. Prerequisites: PHY 2410 or PHY 2400 and MAT 1505.

Lab: Electricity & Magnetism

12484 PHY 2413-020 (6/26-7/27) MWTh 10:30 a.m.-1:00 p.m.

1 cr.

Dr. Vassiliou

Recommended for Science ajors. Pre-requisite: PHY 2411. Co-requisite: PHY 2412.

POLITICAL SCIENCEDr. Kerbel, *Chair*

Office: 202 St. Augustine

Phone: 610-519-4710

American Government**12346 PSC 1100-015 (5/27-6/24)****3 cr.****Dr. Weikert****This is a Distance Learning section of this course. Please see page 81 for more information.****International Relations****12725 PSC 1200-035 (5/27-7/27)****3 cr.****Dr. Gustafson****This is a Distance Learning section of this course. Please see page 81 for more information.****Comparative Politics**

12485 PSC 1300-020 (6/26-7/27) MTWThF 10:30 a.m.-12:30 p.m.

3 cr.

Dr. Schrad

Political dynamics of various countries and regions. Regime types and political institutions. Politics of inclusion and exclusion. Sources of political change and continuity. Prerequisite PSC 6900.

U.S. Constitutional Law I: Powers & Structure**12347 PSC 2140-015 (5/27-6/24)****3 cr.****Dr. Lomazoff****This is a Distance Learning section of this course. Please see page 81 for more information.****U.S. Constitutional Law II: Rights & Liberties****12486 PSC 2145-025 (6/26-7/27)****3 cr.****Dr. Lomazoff****This is a Distance Learning section of this course. Please see page 81 for more information.****Theories of War and Peace****12726 PSC 3410-035 (5/27-7/27)****3 cr.****Dr. Gustafson****This is a Distance Learning section of this course. Please see page 81 for more information.****TOP: British Politics****12348 PSC 4375-015 (5/27-6/24)****3 cr.****Dr. Warrick****This is a Distance Learning section of this course. Please see page 81 for more information.****Independent Study in American Government & Politics**

12349 PSC 5110-010 (5/27-6/24)

3 cr.

Dr. Kerbel

12487 PSC 5110-020 (6/26-7/27)

Dr. Kerbel

12727 PSC 5110-030 (5/27-7/27)

Dr. Kerbel

Readings, research, and writing on topics in American government and politics under faculty supervision. Prerequisite: PSC 1100. Permission of instructor and department chair.

Independent Study in International Relations**3 cr.**

12350 PSC 5210-010 (5/27-6/24)

Dr. Kerbel

12488 PSC 5210-020(6/26-7/27)

Dr. Kerbel

12728 PSC 5210-030 (5/27-7/27)

Dr. Kerbel

Readings, research, and writing on topics in American government and politics under faculty supervision. Pre-requisite: PSC 1200. Permission of instructor and department chair.

Independent Study in Comparative Politics**3 cr.**

12351 PSC 5310-010 (5/27-6/24)

Dr. Kerbel

12489 PSC 5310-020 (6/26-7/27)

Dr. Kerbel

12729 PSC 5310-030 (5/27-7/27)

Dr. Kerbel

Readings, research, and writing on topics in comparative politics under faculty supervision. Pre-requisite: PSC 1300. Permission of instructor and department chair.

Independent Study in Political Theory**3 cr.**

12352 PSC 5410-010 (5/27-6/24)

Dr. Kerbel

12490 PSC 5410-020 (6/26-7/27)

Dr. Kerbel

12730 PSC 5410-030 (5/27-7/27)

Dr. Kerbel

Readings, research, and writing on topics in political theory under faculty supervision. Prerequisite: Permission of instructor and department chair.

Washington Minimester**3 cr.**

12353 PSC 6160-010 (5/27-6/24)

Dr. Kerbel

A three week series of seminars in Washington, D.C. with public officials, staff members, party leaders, and interest group representatives. See and study the workings of our government first hand. Permission of instructor required. Program runs May 17 to June 5, 2015.

Internship Elective**3 cr.**

12794 PSC 6503-030 (5/27-7/27)

Dr. Kerbel

Internship.

GRADUATE COURSES**Research Concepts & Approaches****3 cr.****12731 PSC 7000-015 (5/27-6/24) TTh 5:15-8:15 p.m.****Dr. Kreuzer**

This is a Distance Learning section of this course. Please see page 81 for more information.

TOP: International Law**3 cr.**

12354 PSC 8000-010 (5/27-6/24) MW 5:15-8:15 p.m.

Dr. Schrad

The rules and principles of international law based on a study of treaties, diplomatic practice, national and international courts.

Thesis Research Problems**3 cr.**

12732 PSC 9078-030 (5/27-7/27) W 5:15-8:15 p.m.

Dr. Kreuzer

Required for students on research track. Objectives are to address problems of research and question formulation and conceptualization; apply foundational research skills, techniques, broad survey of methodological and data techniques and appropriate applications; development of thesis proposal and research design.

Thesis Direction**3 cr.**

12733 PSC 9079-030 (5/27-7/27) TBA

Dr. Kreuzer

Directed thesis research. Permission of Instructor required. Prerequisite: PSC 9078.

Thesis Continuation

12734 PSC 9080-030 (5/28-7/28) TBA
Permission of Instructor required.

0 cr.
Dr. Kreuzer

Readings and Research in Political Science

12355 PSC 9800-010 (5/27-6/24) TBA
12491 PSC 9800-020 (6/26-7/27) TBA
12735 PSC 9800-030 (5/27-7/27) TBA

3 cr.
Dr. Kreuzer
Dr. Kreuzer
Dr. Kreuzer

An individual student with a specific interest which cannot be satisfied by a regular course is allowed to work on a tutorial basis with a particular professor. Permission of Chairperson required.

PSYCHOLOGY

Dr. Toppino, *Chair*
Office: 334 Tolentine
Phone: 610-519-4720

General Psychology

12492 PSY 1000-020 (6/26-7/27) MTWThF 10:30 a.m.-12:20 p.m.

Introductory examination of the fundamental concepts of psychology, with particular emphasis on the description of normal human behavior and those factors that underlie it. Prerequisite to all other courses in Psychology.

3 cr.
Staff

12736 PSY 1000-035 (5/27-7/27)

This is a Distance Learning section of this course. Please see page 81 for more information.

Dr. Krauss

Industrial and Organizational Psychology

12356 PSY 2700-015 (5/27-6/24) Restricted to Part-Time Studies Students

12357 PSY 2700-016 (5/27-6/24) Restricted to non-Part-Time Studies Students

These are Distance Learning sections of this course. Please see page 81 for more information.

3 cr.

Dr. Stokes

Dr. Stokes

**TOP: Leadership

12358 PSY 2905-010 (6/5-6/6) F 5:00-9:00 p.m.

S 9:00 a.m.-5:00 p.m.

Selected topics in memory improvement, time management, stress management, interpersonal communication, etc. Open to all Majors. Only three 1-credit seminars may be applied toward graduation. Cannot be used to fulfill Psychology electives.

1 cr.

Mr. Gigliotti

TOP: Interpersonal Communication

12359 PSY 2905-011 (6/19-6/20) F 5:00-9:00 p.m.

S 9:00 a.m.-5:00 p.m.

Selected topics in memory improvement, time management, stress management, interpersonal communication, etc. Open to all Majors. Graded S/U. Only three 1-credit seminars may be applied toward graduation. Cannot be used to fulfill Psychology electives.

1 cr.

Mr. Gigliotti

**TOP: Change Management

12493 PSY 2905-020 (7/10-7/11) F 5:00-9:00 p.m.

S 9:00 a.m.-5:00 p.m.

Selected topics in memory improvement, time management, stress management, interpersonal communication, etc. Open to all Majors. Graded S/U. Only three 1-credit seminars may be applied toward graduation. Cannot be used to fulfill Psychology electives.

1 cr.

Dr. Garber

****TOP: Memory Improvement** **1 cr.**
12494 PSY 2905-021 (7/17-7/18) *F 5:00-9:00 p.m.* Dr. Cozzens
S 9:00 a.m.-5:00 p.m.
This course provides the participant with specific skills and techniques which improve memory performance in such areas as names and faces, numbers, lists and textbook materials. Open to all majors. Graded S/U. Only three 1-credit seminars may be applied toward graduation. Cannot be used to fulfill Psychology electives.

Human Development **3 cr.**
12360 PSY 3200-010 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff
Theory and research on social/personality, physical, and cognitive/intellectual changes from infancy through old age. Prerequisites: PSY 1000 or HON 1811.

Psych of Personality **3 cr.**
12361 PSY 3500-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.* Staff
Theories, dynamics, and structure of personality. Students cannot receive credit for this course and PSY 4700. Prerequisites: PSY 1000 or HON 1811.

Abnormal Psychology **3 cr.**
12495 PSY 3700-020 (6/26-7/27) *MTWThF 12:30-2:20 p.m.* Staff
Classification, etiology, and treatment of mental and behavioral disorders with emphasis on contemporary theory and research. Prerequisites: PSY 1000 or HON 1811 and PSY 4050.

Undergraduate Research **3 cr.**
12496 PSY 5900-020 (6/26-7/27) *TBA* Dr. Toppino
Supervised research project and report. Student may register for PSY 5900 more than once; however, only 3 hours of research can be applied toward the degree requirements in psychology. Permission of Instructor and Chairperson required. Prerequisites: PSY 1000 or HON 1811 and restricted to Psychology Majors.

**Only three 1-credit seminars can be applied toward graduation credit. These seminars are only offered in the summer and fall terms. They cannot be used to fulfill Psychology electives.

GRADUATE COURSES

Organization Change Mgmt. **3 cr.**
12737 PSY 8875-030 (5/27-7/27) *W 6:00-9:00 p.m.* Dr. Sawyer
Diagnostic techniques for identifying organization problems. Strategic organizational change for increased quality, productivity and employee satisfaction.

Individual Research **3 cr.**
12738 PSY 9031-030 (5/27-7/27) *TBA* Dr. Toppino
Individual research project conducted under the direction of a Psychology faculty member. Restricted to Psychology Graduate Students. Permission of Instructor and Chairperson required.

Thesis Direction I **3 cr.**
12739 PSY 9032-030 (5/27-7/27) *TBA* Dr. Toppino
Restricted to Psychology Graduate Students.

Thesis Direction II **3 cr.**
12740 PSY 9033-030 (5/27-7/27) *TBA* Dr. Toppino
Restricted to Psychology Graduate Students.

Thesis Continuation

12741 PSY 9080-030 (5/27-7/27) TBA

Restricted to Psychology Graduate Students.

0 cr.

Dr. Toppino

MASTERS OF PUBLIC ADMINISTRATIONDr. Wilson, *Interim Chair*

Office: 267 St. Augustine

Phone: 610-519-7851

Public Administration Theory**3 cr.**

12677 MPA 8001-030 (5/27-7/27) Th 5:45-8:40 p.m.

Ms. Johnson

Tension between bureaucracy-democracy; theories about the nature and development of public administration in the United States.

Management Internship**3 cr.**

12678 MPA 8010-030 (5/27-7/27) TBA

Staff

Administrative field experience in an agency or organization. Permission of the MPA Director required.

Individual Research I**3 cr.**

12679 MPA 8012-030 (5/27-7/27) TBA

Staff

An individual research project under the direction of public administration faculty member. Permission of MPA Director and consent of faculty member required.

Individual Research II**3 cr.**

12680 MPA 8013-030 (5/27-7/27) TBA

Staff

An individual research project under the direction of public administration faculty member. Permission of MPA Director and consent of faculty member required.

TOP: Performance Measurement**1 cr.**

12299 MPA 8299-010 (6/6, 6/13, 6/20) S 8:45 a.m.-12:00 p.m.

Mr. Olpere

Learn the theory and practice of performance measurement and how to use specific measures of performance in a variety of government services.

TOP: Econ Development Strategy**1 cr.**

12455 MPA 8299-020 (6/26, 6/27) F 3:00-9:00 p.m., S 8:45 a.m.-12:00 p.m.

Ms. Slook

Selected subjects of special interest in public administration. Three one-credit courses may be used to substitute for a three-credit elective.

Leadership Ethics**3 cr.**

12681 MPA 8300-030 (5/27-7/27) W 5:45-8:40 p.m.

Dr. Perun

Examines assumptions implicit in various organizational designs and highlights the importance of fidelity to value-based decision-making.

Strategic Planning**3 cr.**

12682 MPA 8400-030 (5/27-7/27) M 5:45 p.m.-8:40 p.m.

Dr. Kelley

The study of strategic planning and strategic management with special emphasis upon planning models as well as planning functions.

ROMANCE LANGUAGES AND LITERATURES

Dr. Juliá, *Chair*
Office: 303 St. Augustine
Phone: 610-519-4680

FRENCH

Introductory French I 4 cr.
12287 FRE 1111-015 (5/27-6/24) *MTWTh 9:00-11:20 a.m.* Staff
F 9:00-10:50 a.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Introductory French II 4 cr.
12441 FRE 1112-025 (6/26-7/27) *MTWTh 9:00-11:20 a.m.* Staff
F 9:00-10:50 a.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate French I 3 cr.
12288 FRE 1121-015 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate French II 3 cr.
12442 FRE 1122-025 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Staff

This is a Distance Learning section of this course. Please see page 81 for more information.

ITALIAN

Introductory Italian I 4 cr.
12294 ITA 1111-015 (5/27-6/24) *MTWTh 10:30 a.m.-12:50 p.m.* Staff
F 11:00 a.m.-12:50 p.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Introductory Italian II 4 cr.
12449 ITA 1112-025 (6/26-7/27) *MTWTh 10:30 a.m.-12:50 p.m.* Staff
F 11:00 a.m.-12:50 p.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate Italian I 3 cr.
12295 ITA 1121-015 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate Italian II 3 cr.
12450 ITA 1122-025 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Staff

This is a Distance Learning section of this course. Please see page 81 for more information.

SPANISH

Introductory Spanish I 4 cr.
12366 SPA 1111-015 (5/27-6/24) *MTWTh 9:00-11:20 a.m.* Dr. Chacón
F 9:00-10:50 a.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Introductory Spanish II 4 cr.
12501 SPA 1112-025 (6/26-7/27) *MTWTh 9:00-11:20 a.m.* Dr. Strayer
F 9:00-10:50 a.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate Spanish I 3 cr.
12367 SPA 1121-015 (5/27-6/24) *MTWTh 11:30 a.m.-1:20 p.m.* Dr. Percoco
F 11:30 a.m.-12:50 p.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Intermediate Spanish II 3 cr.
12502 SPA 1122-025 (6/26-7/27) *MTWTh 11:30 a.m.-1:20 p.m.* Dr. Percoco
F 11:30 a.m.-12:50 p.m.

This is a Distance Learning section of this course. Please see page 81 for more information.

Conversation and Composition I 3 cr.
12368 SPA 1131-015 (5/27-6/24) *MTWTh 6:00-8:50 p.m.* Dr. Chacón

This is a Distance Learning section of this course. Please see page 81 for more information.

Conversation and Composition II 3 cr.
12503 SPA 1132-025 (6/26-7/27) *MTWTh 6:00-8:50 p.m.* Dr. Strayer

This is a Distance Learning section of this course. Please see page 81 for more information.

Advanced Spanish for the Health Professions
12369 SPA 1142-015 (5/27-6/24) Dr. Duque

This is a Distance Learning section of this course. Please see page 81 for more information.

Literary & Culture Experience of Spain 3 cr.
12504 SPA 2211-025 (6/26-7/27) Dr. Poeta

This is a Distance Learning section of this course. Please see page 81 for more information.

GRADUATE COURSES

Masterpieces of Hispanic Literature 3 cr.
12370 SPA 7430-015 (5/27-6/24) Dr. Juliá

This is a Distance Learning section of this course. Please see page 81 for more information.

Masterpieces Spain's Elegy 3 cr.
12505 SPA 7440-025 (6/26-7/27) Dr. Poeta

This is a Distance Learning section of this course. Please see page 81 for more information.

SOCIOLOGY

Dr. DeFina, *Chair*
Office: 204 St. Augustine
Phone: 610-519-4482

Introduction to Sociology

12498 SOC 1000-020 (6/26-7/27) *MTWThF 12:30-2:20 p.m.*

3 cr.

Dr. Jones

Introduction to the analysis of social behavior; emphasis upon socialization, collective and group behavior.

Social Problems

12499 SOC 1500-025 (6/26-7/27)

3 cr.

Dr. Pattnayak

This is a Distance Learning section of this course. Please see page 81 for more information.

Sociology of Deviance

12365 SOC 2200-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.*

3 cr.

Dr. Arvanites

A sociological examination of rule-breaking behavior; causal theories of deviance; types of deviance and their distribution in contemporary society.

Internship

12800 SOC 2993-030 (5/27-7/27) *TBA*

3 cr.

Dr. DeFina

Permission of Chairperson required.

Applied Research in Sociology

12500 SOC 5400-020 (6/26-7/27) *MTWThF 2:30-4:20 p.m.*

3 cr.

Dr. Jones

The development of real-world research skills through the application of sociological methods and statistics. Special emphasis is given to sampling, measurement, applied statistics, data management and evaluative research.

STUDIO ART AND MUSIC

Fr. Cregan, O.S.A., Ph.D *Chair*
Office: 205 St. Augustine
Phone: 610-519-8041

Basic Drawing Techniques

12363 SAR 2021-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.*

3 cr.

Ms. Clay-Gorka

A foundation course in drawing, emphasizing visual concepts through work in a variety of media including charcoal, pencil and ink. Direct observation of the model, composition, perspective, and theory.

THEATRE

Fr. Cregan, O.S.A., Ph.D *Chair*
Office: 205 St. Augustine
Phone: 610-519-8041

Fundamental Principles of Acting

12371 THE 2029-010 (5/27-6/24) *MTWThF 10:30 a.m.-12:20 p.m.*

3 cr.

Staff

Traditional acting theories and basic techniques: games, improvisation, sensory awareness exercises and beginning work on scenes.

GRADUATE COURSES

Production Practicum I

0 cr.

12372 THE 7200-010 (5/27-6/24) TBA

Dr. Cregan, O.S.A.

Significant & responsible participation in the department production program.

Production Practicum II

0 cr.

12373 THE 7210-010 (5/27-6/24) TBA

Dr. Cregan, O.S.A.

Significant & responsible participation in the department production program.

Production Practicum III

0 cr.

12374 THE 7220-010 (5/27-6/24) TBA

Dr. Cregan, O.S.A.

Significant & responsible participation in the department production program.

Theatre Administration

3 cr.

12375 THE 8320-010 (5/27-6/24) MWTh 4:30-7:30 p.m.

Staff

Project-driven introduction to the basics of theatre administration: crafting a mission statement; building a board; establishing 501(c)3 status; creating budgets; PR/marketing; grant writing and cultivating funders; hiring and managing a staff; acquiring performance spaces; and working with theatrical unions.

Special Study – Research

3 cr.

12506 THE 9210-020 (6/26-7/27) TBA

Staff

Advanced research in theatre history, literature or criticism on a tutorial basis. May include the defense of a research project. Prerequisites: THE 7120 and THE 7130, permission of instructor and approval of department chair.

THEOLOGY AND RELIGIOUS STUDIES

Dr. Spitaler, *Chair*

Office: 203 St. Augustine

Phone: 610-519-4730

Faith, Reason, and Culture

3 cr.

12376 THL 1000-010 (5/27-6/24) MTWThF 10:30 a.m.-12:20 p.m.

Dr. Hughes

12507 THL 1000-020 (6/26-7/27) MTWThF 10:30 a.m.-12:20 p.m.

Mr. Minch

Study of Christianity with a particular focus on Roman Catholicism, animated by Augustine's concern to relate Christian faith, reason and human culture, using various disciplinary approaches within the fields of theology and religious studies.

Faith, Reason, and Culture

3 cr.

12992 THL 1000-015 (5/27-6/24)

Dr. Spitaler

These are Distance Learning sections of this course. Please see page 81 for more information.

Synoptic Gospels

3 cr.

12378 THL 2310-010 (5/27-6/24) MTWThF 8:30-10:20 a.m.

Dr. Spitaler

Critical analysis of Matthew, Mark and Luke; structure, meaning, historical development, continuing vitality and application; use of textual, source, form, redaction and literary methods. Prerequisite: THL 1050 or THL 1000 or HON 1825 or HON 1003 or HON 1053 or THL 1051 or HON 1827 or HON 1850.

Theme: Perspectives on Forgiveness

3 cr.

12379 THL 3790-015 (5/27-6/24)

Dr. Zavarich

This is a Distance Learning section of this course. Please see page 81 for more information.

Theme: Church Architecture and Worship

12743 THL 3790-035 (5/27-7/27)

12744 THL 3790-036 (5/27-7/27)

12745 THL 3790-037 (5/27-7/27)

These are Distance Learning sections of this course. Please see page 81 for more information.

3 cr.

Dr. Prusak

Dr. Prusak

Dr. Prusak

Theme: Christian Spirituality12508 THL 4990-020 (6/26-7/27) *MTWThF 10:30 a.m.-12:20 p.m.*

Study of Christian and/or non-Christian spiritual voices, movements, traditions or themes (western or non-western, local or global) in ancient, medieval, early modern, modern or contemporary times. Exploration of relationship to theology, faith, culture, and practice. Prerequisites: THL 1050 or THL 1000 or HON 1003 or HON 1053 or THL 1051 or HON 1825 or HON 1827 or HON 1850.

3 cr.

Mr. Mayer

Independent Study12509 THL 6400-020 (6/26-7/27) *TBA*

Permission of Chairperson required. Prerequisite: THL 1050 or THL 1000 or HON 1825 or HON 1003 or HON 1053 or THL 1051 or HON 1827 or HON 1850.

3 cr.

Staff

GRADUATE COURSES**Ethics in NT**12380 THL 8190-010 (5/27-6/24) *MTWTh 12:30-2:30 p.m.*

Specialized treatment of a particular area in this field; please see Department announcements.

3 cr.

Dr. Spitaler

THM: Reading Contemporary Ethicists12510 THL 8390-020 (6/26-7/27) *MTWTh 12:30-2:20 p.m.*

Consideration of special ethical issues, debates, or thinkers which are not part of the regular graduate ethics curriculum.

3 cr.

Dr. Graham

In Dialogue with Augustine12511 THL 8460-020 (7/13-7/17) *MWF 9:00 a.m.-5:00 p.m.**TTh 9:00 a.m.-7:00 p.m.*

Course in Christian historical theology or church history; study of continuation and adaptation of Augustine's thought by his interpreters.

3 cr.

Dr. Wetzel

Dr. Bowlin

TOP: Creativity in Contemplative Life12381 THL 8510-010 (5/27, 6/3, 6/4, 6/5, 6/10, 6/12) *4:00-8:30 p.m.*(6/13) *S 8:00 a.m.-4:30 p.m.*

Study of Christian spiritual traditions or themes (western or non-western) in ancient, medieval early modern, modern, or contemporary times.

3 cr.

Dr. Mell

Dr. Mell

The Bible in History12382 THL 8510-010 (5/27-6/24) *MTWTh 4:30-6:30 p.m.*

Study of Christian spiritual traditions or themes (western or non-western) in ancient, medieval, early modern, modern, or contemporary times.

3 cr.

Dr. Hughes

Directed Research12512 THL 9000-020 (6/26-7/27) *TBA*

In exceptional cases and for sufficient reason, a student may register for directed research, after consultation with the Director, who will decide the merits of the case.

3 cr.

Dr. Barnett

GENDER AND WOMEN'S STUDIES

Dr. Lutes & Dr. Sewell, *Co-Directors*

Office: 488 St. Augustine

Phone: 610-519-3815

The following course offered in the 2015 Summer Sessions satisfy the Gender and Women's Studies requirements for a Minor or a Concentration. Please contact the Department for more information on this Program.

Gender and Communication

12261 COM 3406-015 (5/27-6/24)

This is a Distance Learning section of this course. Please see page 81 for more information.

3 cr.

Dr. Bowen

COLLEGE OF LIBERAL ARTS & SCIENCES

INTERNSHIP PROGRAM

Michael J. Pennington, MHRM, M.Ed., Director

Experiential Education

Office: 107 St. Augustine Center

Phone: 610-519-4232

<http://www1.villanova.edu/villanova/artsci/undergrad/ous.html>

An academic internship is a pre-professional work experience that enables students to complement knowledge and skills acquired in a traditional classroom setting. An internship is more formally defined as "any carefully monitored work or service experience in which an individual has learning goals and reflects actively on what he or she is learning throughout the experience" (National Society for Experiential Education).

The College of Liberal Arts and Sciences Experiential Education staff works exclusively with liberal arts and sciences students to prepare them to compete for the best internship opportunities. The staff does this by working directly with students and employers and through our partnership with the Career Center.

Interested students should visit the program's website listed above for complete details on current policies and procedures.

Internship Elective

12779 LA 1903-030 (5/27-7/27)

Permission of Experiential Education Director required. Sophomores, Juniors, and Seniors with 3.0 overall GPA or higher.

3 cr.

Mr. Pennington

Internship Elective

12780 LA 1906-030 (5/27-7/27)

Permission of Experiential Education Director required. Sophomores, Juniors, and Seniors with 3.0 overall GPA or higher.

6 cr.

Mr. Pennington

Internship Elective

12781 LA 1909-030 (5/27-7/27)

Permission of Experiential Education Director required. Sophomores, Juniors, and Seniors with 3.0 overall GPA or higher.

9 cr.

Mr. Pennington

Internship Elective

12782 LA 2993-030 (5/27-7/27)

3 cr.

Mr. Pennington

For Liberal Arts Majors, credits may be applied to student's degree requirements. Otherwise, credits may be used as free electives. Permission of Experiential Education Director required. Sophomores, Juniors, and Seniors with 3.0 overall GPA or higher.

Internship Elective

12783 LA 2996-030 (5/27-7/27) TBA

6 cr.

Mr. Pennington

For Liberal Arts Majors, credits may be applied to student's degree requirements. Otherwise, credits may be used as free electives. Permission of Experiential Education Director required. Sophomores, Juniors, and Seniors with 3.0 overall GPA or higher.

DISTANCE LEARNING

Villanova Summer Session 2015 offers nearly 70 undergraduate online courses and nearly 30 graduate courses, which allow students the opportunity to earn credit towards the completion of their degrees. These online offerings take advantage of many of the latest computer and web-based technologies.

Accordingly, Villanova makes every effort to provide students with the proper technological assistance, allowing for complete focus on academics during Summer Sessions. Students should note the following contacts for assistance:

Before Registering

For course specific hardware/software requirements students should contact the faculty member teaching the course.

For graduate course registration students should contact the department directly.

After Registering

For questions about Blackboard access and other learning technologies, students should contact **University Technology Support Services at 610-519-7777 or email support@villanova.edu.**

For additional information, please visit the Summer Session website at summersession.villanova.edu

This catalog was created based on course information received by December 16, 2014. For the most updated information on courses, rooming assignments, times and details, please visit the Master Schedule at novasis.villanova.edu

UNDERGRADUATE COURSES**Accounting Information Systems**

12516 ACC 2340-035 (5/27-7/27)

3 cr.

12517 ACC 2340-036 (5/27-7/27)

Dr. Peters

Dr. Peters

This course offers both a conceptual overview and hands-on experience with a variety of AIS related material. Topics covered include: Semantic modeling and event driven accounting information systems (AIS); development, documentation, control and audit of AIS, with particular reference to the COBIT framework; an overview of XBRL and its role in financial reporting; the use of database management software and accounting software in developing modern AIS. Prerequisite: ACC 2310. For additional information, please contact Dr. Peters at james.peters@villanova.edu.

BIO: Human Physiology - Body Works**4 cr.**

12459 MSE 2204-025 (6/26-7/27)

Dr. Stephens

12683 MSE 2204-035 (5/27-7/27)

Dr. Stephens

This on-line course examines how the human body works. The course is divided into three categories: (1) lecture, (2) laboratory and (3) term papers. The lecture portion of the course is delivered over the web and uses audio with a combination of text, diagrams, movies and animated sequences. Each lecture usually starts with an article from a web source like CNN-Health. Sufficient physiology is then presented for you to understand the article. The idea is to present lectures as a series of related topics and issues rather than a general review of physiology. Each lecture is designed to allow you to progress at your own pace, and within your own time frame. Each of the four lecture exams is done on-line and within a programmed time frame; each counts 15% of the final grade. The on-line laboratory experience uses simulations, animations and movies of real experiments. Students are expected to send a summary of their measurements and data, placing their observations into the framework of the knowledge they have gathered in class. Graded reports are then returned and they count for 20% of the final course grade. The two web-based term papers revolve around some aspect of body dysfunction and each is worth 10% of the final grade. Although local students are welcome to come to Villanova to talk with the instructor there are no requirements for an initial orientation meeting. All communication is done via e-mail, the discussion board on the course website, or the telephone, and daily (usually evening) office hours are posted. Each student can monitor their progress through a password-protected page where their grades are posted. Students require access to an online computer and a web browser with the (free) Flash plug-in. All programs have been written in HTML and Flash, and (to date) no problems have been encountered with fire walls. A course description and orientation to this course can be found at the following URL: <http://www10.homepage.villanova.edu/phil.stephens>. For additional information, please contact Dr. Stephens at phil.stephens@villanova.edu.

Biostatistics & Exp. Design**4 cr.**

12232 BIO 3105-015 (5/27-6/24)

Dr. Russell

The open source programming language, R, is quickly becoming the standard statistical tool in many fields including biology. The course focuses on the conceptualization of experimental design, hypothesis testing, communication of statistical results, and execution of statistical analyses using R. Throughout the course the emphasis is on interpreting, analyzing, and graphically presenting data. We assume students have no background beyond high-school algebra. Students can take the course in three ways but are not restricted to any one mode. First – students can attend in-class lectures and labs. Second – lectures (video, audio, and PowerPoint slides) are streamed live via the course web site. This mode requires a high-speed internet connection and computer capable of an audio-connection to allow students to ask/answer questions during lectures. Third – the video (and PowerPoints) from the lectures are captured and archived on the course website to allow students to view lectures they were not able to participate in when delivered. These archives are available to all students for review. Labs are conducted after lectures and the instructor is available in the lab or via the web to answer questions. Office hours are held each evening – via the web or email – to answer questions about reading assignments, lectures, or lab problem sets. Prerequisites: BIO 2105 or HON 1075 and BIO 2106 or HON 1076. A detailed course description and syllabus is available: <http://www86.homepage.villanova.edu/michael.russell/>. For additional information please contact Dr. Russell at michael.russell@villanova.edu.

TOPICS**2 cr.**

12522 BIO 4940-035 (5/27-7/27)

Staff

Current topics in Biology. Topics will be announced on a semester-by-semester basis. Typically has a course at the 3000-level as a prerequisite. For additional information, please contact the academic department.

Engineering Mechanics I – Statics**3 cr.**

12533 CEE 2100-D35 (5/27-7/27) MW 6:00-8:00 p.m.

Dr. Gross

Vector analysis of force systems on particles and rigid bodies with particular emphasis on mathematical and physical formulation of principles underlying the solution of engineering problems; vector algebra; friction; centroids and moments of inertia. Prerequisites: MAT 1505 and (PHY 2400 or PHY 2410). Will not meet 6/15/15 to 7/6/15. For additional information, please contact Dr. Gross at shawn.gross@villanova.edu.

Mechanics of Solids**3 cr.**

12534 CEE 2103-D35 (5/27-7/27)

Dr. Hampton

Stress resultants in bodies from tension, compression, shear, flexure, torsion and temperature stress and strain transformations; combined stresses; load deformation relationships; Euler buckling. Prerequisite: ME 2100 or CEE 2100 or CEE 2105. For additional information, please contact Dr. Hampton at francis.hampton@villanova.edu.

Chinese Culture**3 cr.**

12241 CHI 2143-015 (5/27-6/24) MTWThF 9:00 a.m.-12:50 p.m.

Dr. Zhou

Chinese culture and civilization from the beginning to the present. Conducted in English. Diversity Requirement 1, Diversity Requirement 2. Writing Enriched. For additional information, please contact Dr. Zhou at hailin.zhou@villanova.edu.

Theories of Persuasion**3 cr.**

12258 COM 2280-015 (5/27-6/24)

Dr. Woodard

Presents the theoretical processes by which communication influences the attitudes, beliefs, and behaviors of message recipients. Both rhetorical and social scientific approaches to persuasion are examined. Application is made to the areas of advertising, public relations, politics and health communication. Writing Enriched. For additional information, please contact Dr. Woodard at emory.woodard@villanova.edu.

Theories of Interpersonal Communication**3 cr.**

12421 COM 2400-015 (5/27-6/24)

Dr. Bowen

Survey of concepts and theories in interpersonal communication, focusing on dyadic interaction and relationships as created, maintained, and modified through verbal and nonverbal behavior. Work involves reading in textbook, primary sources and Blackboard files, online testing, online discussions, and individual papers. Writing Enriched. For additional information, please contact Dr. Bowen at sheryl.bowen@villanova.edu.

TOP: Rhetoric of Conspiracy Theories**3 cr.**

12260 COM 3290-015 (5/27-6/24)

Mr. Arnold

The class will explore the reasons why conspiracy theories have been so popular over the last twenty five years. Students will examine what counts as a conspiracy, the difference between a conspiracy and a conspiracy theory, and, using Richard Hofstadter's "The Paranoid Style in American Politics" 1964 article as a base, why the United States has been such a fertile ground for conspiracy theories to grow in. We will look at the history of fringe groups, the construction of logical arguments and fallacies that accompany a conspiracy theory, the influence of technology in the spread of conspiracy theories, and why such theories are not new in various parts of the world. Readings and assignments will help you see why, in the end, "stories" in conspiracy theories might be the most persuasive element of one and why they usually "trump" simple logic in our minds. Prerequisites: COM 2200 or COM 2240 or COM 2280 or COM 2300 or COM 2340 or COM 2400 or COM 2440. For additional information, please contact Mr. Derek Arnold at derek.arnold@villanova.edu.

Introduction to Journalism

12422 COM 3360-025 (6/26-7/27)

3 cr.

Dr. Ksiazek

News is an integral part of our lives. This course aims to provide a critical understanding of the role of journalism in modern society, combining theoretical perspectives on the making of news with insights from the journalists who produce it, as well as examining newsmaking across platforms such as television and the internet. Prerequisites: COM 2200 or COM 2280 or COM 2300 or COM 2340 or COM 2240. For additional information, please contact Dr. Ksiazek at thomas.ksiazek@villanova.edu.

TOP: Media Audiences

12423 COM 3390-025 (6/26-7/27)

3 cr.

Dr. Ksiazek

Every time we watch TV, listen to the radio, or browse our favorite website we are part of an audience. Audience research is integral to the operation of media industries, and individuals are increasingly using audience research in their daily lives (e.g., trending topics, top 10 lists). This course offers an introduction to the study, measurement and analysis of media audiences. We will explore theories of audience behavior, methods for sampling and measuring audiences, and both classic and emerging metrics for capturing user behavior. The course will also explore the ethics of measurement, the audience measurement industry and practical applications for media professionals. Prerequisites: COM 2300 or COM 2340 and COM 1200 or COM 4001 or COM 4002. For additional information, please contact Dr. Ksiazek at thomas.ksiazek@villanova.edu.

Gender and Communication

12261 COM 3406-015 (5/27-6/24)

3 cr.

Dr. Bowen

Communication of women and men against the backdrop of society and feminism in such communicative contexts as families, schools, friendships and relationships, organizations, media, and technology. This fast-paced course involves readings, three individual projects/papers, weekly quizzes, and synchronous and asynchronous discussions with classmates in Blackboard. Diversity 2. Gender and Women's Studies. Writing Enriched. Diversity 2, Gender and Women's Studies. Prerequisite: COM 2200 or COM 2280 or COM 2300 or COM 2340 or COM 2400 or COM 2440 or COM 2240. For additional information, please contact Dr. Bowen at sheryl.bowen@villanova.edu.

Public Relations

12262 COM 3460-015 (5/27-6/24)

3 cr.

Ms. Flanagan

Provides a foundation for students interested in the field of public relations. It chronicles the development of the profession from its earliest beginnings to its role in modern management. Also attempts to bridge the gap that exists between theory and practice. It achieves this by emphasizing the fundamental management perspective of the profession and the persuasive intent of message construction while highlighting the four essential skills required for success in the industry—research, writing, planning and problem solving. Writing Enriched. Prerequisites: COM 2200 or COM 2280 or COM 2300 or COM 2340 or COM 2400 or COM 2440. For additional information, please contact Ms. Flanagan at jill.flanagan@villanova.edu.

Databases for Many Majors12266 CSC 1035-015 (5/27-6/24) *Th 6:00-7:30 p.m.***3 cr.**

Ms. Kearney

No background in computing necessary. Design and implementation of your own database as a group project. Cooperative learning techniques to demystify key concepts: the relational model, normalization, the Entity-Relationship model and SQL. For additional information, please contact Ms. Kearney at sandra.kearney@villanova.edu.

Discrete Structures**3 cr.**12583 CSC 1300-035 (5/27-7/27) *Th 7:00-9:00 p.m.*

Ms. Metzger

Mathematical structures that support computer science: sets, logic and proof, mathematical induction, relations, functions, counting techniques, Boolean algebra, matrices, graphs and trees. Prerequisite: (CSC 1051 Concurrency: Yes or ECE 1620 Concurrency: Yes). Online class sessions will be held Tuesday nights from 7:30-9:00 p.m. For additional information, please contact Ms. Metzger at sue.metzger@villanova.edu.

Fund. of Elect Engineering II**3 cr.**

12594 ECE 2054-D35 (5/27-7/27)

Dr. Char

Second-order circuits, complex-frequency (s-domain) analysis, network functions, RMS value, superposition of average power, maximum power transfer, frequency response (Bode) plots, ac power, balanced three-phase circuits, resonance, magnetically-coupled coils and the ideal transformer. Prerequisite: ECE 2052. For additional information, please contact Dr. Char at edward.char@villanova.edu.

Fundamentals of MATLAB**2 cr.**12426 ECE 2409-D25 (6/26-7/27) *MWF 1:30-2:20 p.m.*

Dr. Mobasser

Matlab is the premier computing language in engineering. The course begins by introducing basic commands and syntax, m files, scripts and functions, how to build manipulate and reshape arrays and matrices, 2D and 3D graphics, color control, multidimensional arrays for analyzing images and video, string arrays, interpolation and curve fitting. The course is designed to teach the writing of vectorized code optimized for the Matlab environment. The course is delivered entirely online and can be taken off campus. For additional information, please contact Dr. Mobasser at bijan.mobasser@villanova.edu.

Introduction to Microeconomics**3 cr.**

12427 ECO 1001-025 (6/26-7/27)

Dr. Fiorenza

The price system, demand and supply analysis; the production process; analysis of market structures. For additional information, please contact Dr. Fiorenza at david.fiorenza@villanova.edu.

Introduction to Macroeconomics**3 cr.**

12268 ECO 1002-015 (5/27-6/24)

Dr. Fiorenza

12429 ECO 1002-025 (6/26-7/27)

Dr. Kelly

The economic system and its fundamental principles. The economic functions of government, monetary and fiscal policy, and international trade. For additional information, please contact Dr. Fiorenza at david.fiorenza@villanova.edu and Dr. Kelly at mary.kelly@villanova.edu.

Global Political Economy**3 cr.**

12269 ECO 3108-015 (5/27-6/24)

Dr. Wolnicki

12270 ECO 3108-016 (5/27-6/24)

Dr. Wolnicki

12271 ECO 3108-017 (5/27-6/24)

Dr. Wolnicki

Global political economy explains the complex interaction between the politics and economics of a nations' pursuit of wellbeing, international position and influence in the world. Students will learn about economic policies, history, and policy-making in selected nations of the contemporary world. The course provides a solid overview of the following: international trade and monetary relations, the growth of regional integration, challenges to maintaining the stability of international economic systems, strategies and economic development and transition, and the role of multinational corporations in the global world. In addition, the course explores the challenges that face the global community such as shortages of energy, global warming, health crises and poverty in developing countries. Prerequisites: ECO 1001 and ECO 1002. For additional information, please contact Dr. Wolnicki at miron.wolnicki@villanova.edu.

History of Economic Thought

12272 ECO 3111-015 (5/27-6/24)

3 cr.

Dr. Zaleski

The evolution of economic analysis within the context of contemporary economic institutions and associated social, ethical, and political thought. Writing Enriched. Prerequisites: ECO 1001 and ECO 1002. For additional information, please contact Dr. Zaleski at peter.zaleski@villanova.edu.

Adv. Expository Writing

12435 ENG 2000-025 (6/26-7/27)

3 cr.

Ms. Ross

Guidance, challenge, and support for the good writer who wants to be a better writer. Students read published essays and practice writing description, narration, classification, comparison, and definition. Organization, originality, and clarity are emphasized. For additional information, please contact Professor Ross at jody.ross@villanova.edu.

Journalism

12282 ENG 2020-015 (5/27-6/24)

3 cr.

Staff

News gathering and news writing; principles, rules and techniques of news, editorials, features. For additional information, please contact the academic department.

TOP: Technical Editing

12624 ENG 2045-035 (5/27-7/27)

3 cr.

Dr. Graziano

This course teaches students how to edit technical documents such as reports, proposals, and manuals for elements of good writing including knowledge of the target audience, correct grammar, logical organization, sound structure, and fluent style. Topics presented include proofreading, copyediting, developmental editing, and working with clients. Writing Intensive. For additional information, please contact Dr. Graziano at karen.graziano@villanova.edu.

TOP: Advanced Business Writing

12625 ENG 2045-036 (5/27-7/27)

3 cr.

Dr. Graziano

Good writing matters in business. Business professionals, communication specialists, and consultants are charged with writing letters, memos, business reports, and proposals on a daily basis. Writing problems impede their persuasiveness and credibility. This course teaches business writing techniques that will enable students to work effectively in any professional environment. No previous business writing experience is necessary. Writing Intensive. For additional information, please contact Dr. Graziano at karen.graziano@villanova.edu.

The Good Life: Eth & Cont Prob

12283 ETH 2050-015 (5/27-6/24)

3 cr.

Dr. Wicks

12284 ETH 2050-016 (5/27-6/24)

Dr. Shin

12285 ETH 2050-017 (5/27-6/24)

Ms. Falcetano

12437 ETH 2050-025 (6/26-7/27)

Dr. Schultz

12438 ETH 2050-026 (6/26-7/27)

Mr. Davidson

Major Western ethical traditions as they apply to selected contemporary ethical problems, with particular focus on Christian, especially Roman Catholic, Augustinian perspectives. This course satisfies the Arts and Sciences Writing Enriched requirement. Prerequisites: ACS 1000, ACS 1001, THL 1000, PHI 1000. For Liberal Arts & Sciences students, THL 1000 or PHI 1000 can be co-requisites. For additional information, please contact Dr. Wicks at peter.wicks@villanova.edu; Dr. Shin at albert.shin@villanova.edu; Ms. Falcetano at michelle.falcetano@villanova.edu.; Dr.Schultz at john-patrick.schultz@villanova.edu; and Mr. Davidson at christopher.davidson@villanova.edu.

Introductory French I12287 FRE 1111-015 (5/27-6/24) *MTWTh 9:00-11:20 a.m. & F 9:00-10:50 a.m.***4 cr.**

Staff

Groundwork in French, including oral proficiency, aural comprehension and reading; for students with no prior knowledge of French. Supplementary language laboratory work and oral drills. For additional information, please contact the Academic Department.

- Introductory French II** **4 cr.**
 12441 FRE 1112-025 (6/26-7/27) *MTWTh 9:00-11:20 a.m. & F 9:00-10:50 a.m.* Staff
 Groundwork in French, including oral proficiency, aural comprehension and reading for students with one year of high school French. Supplementary language laboratory work and oral drills. Students should have completed FRE 1111 or equivalent. For additional information, please contact the Academic Department.
- Intermediate French I** **3 cr.**
 12288 FRE 1121-015 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff
 Review of grammar, composition, reading and conversation. Students should have completed FRE 1112 or equivalent. For additional information, please contact the Academic Department.
- Intermediate French II** **3 cr.**
 12442 FRE 1122-025 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Staff
 Review of grammar, composition, reading and conversation. Students should have completed FRE 1121 or the equivalent. For additional information, please contact the Academic Department.
- Introductory Italian I** **4 cr.**
 12294 ITA 1111-015 (5/27-6/24) *MTWTh 10:30 a.m.-12:50 p.m.* Staff
F 11:00 a.m.-12:50 p.m.
 Groundwork in Italian, including oral proficiency, aural comprehension and reading for students with no prior knowledge of Italian. Supplementary language laboratory work and oral drills. For additional information, please contact the Academic Department.
- Introductory Italian I** **4 cr.**
 12449 ITA 1112-025 (6/26-7/27) *MTWTh 10:30 a.m.-12:50 p.m.* Staff
F 11:00 a.m.-12:50 p.m.
 Groundwork in Italian, including oral proficiency, aural comprehension and reading for students with no prior knowledge of Italian. Supplementary language laboratory work and oral drills. For additional information, please contact the Academic Department.
- Intermediate Italian I** **3 cr.**
 12295 ITA 1121-015 (5/27-6/24) *MTWThF 8:30-10:20 a.m.* Staff
 Review of grammar, composition, reading and conversation. Students should have completed ITA 1111 and ITA 1112 or the equivalent. For additional information, please contact the Academic Department.
- Intermediate Italian II** **3 cr.**
 12450 ITA 1122-025 (6/26-7/27) *MTWThF 8:30-10:20 a.m.* Staff
 Review of grammar, composition, reading and conversation. Students should have completed ITA 1121 or the equivalent. For additional information, please contact the Academic Department.
- Japanese Literature English Translation** **3 cr.**
 12452 JPN 2100-025 (6/26-7/27) Dr. Nakagawa
 The masterpieces of Japanese literature with a component on women writers. Fulfills cultural diversity requirement. Fulfills core requirements for advanced literature. Conducted in English, writing enriched. For more information, please contact Dr. Nakagawa at [masako.nakagawa@villanova.edu](mailto:nakagawa@villanova.edu).

Ethics and Leadership

12645 LDR 2040-035 (5/27-7/27)

3 cr.

Dr. Martini

The nature of ethical leadership. How the leader's values and beliefs affect decision making. The concepts of organizational and social responsibility. Restricted to Part-Time Studies students in the BIS degree program. For additional information, please contact Dr. Martini at pmartini@academyleadership.com.

Intro Statistics I

12651 MAT 1230-035(5/27-7/27)

3 cr.

Dr. Lupinacci

Displaying and summarizing data, basic probability concepts, normal distributions, sampling distributions, estimation for a single population parameter, regression and correlation. Not open to students who has completed MAT 1505. For additional information, please contact Dr. Paul Lupinacci at paul.lupinacci@villanova.edu.

Dynamic Systems I12665 ME 2101-D35 (5/27-7/27) *TTh 5:00-7:00 p.m.***3 cr.**

Dr. Nersesov

Kinematics, velocity, and acceleration of particles in Cartesian, cylindrical, and spherical reference frames, projectile motion, dynamics of particles, momentum principles, systems of particles, rigid body kinematics and dynamics. For additional information, please contact Dr. Nersesov at sergey.nersesov@villanova.edu.

Principles of Nutrition

12303 NTR 2120-015 (5/27-6/24)

3 cr.

Dr. Costello

12304 NTR 2120-016 (5/27-6/24)

Dr. Costello

The course "Principles of Nutrition" provides students an opportunity to explore current research and issues related to nutrition and health. Emphasis is placed on nutrition as an integral component of mind body wellness. The students will study nutrients and their role in health promotion and disease prevention. Each student will have the opportunity to assess their own dietary habits by comparing their nutrition behavior to current recommendations. Consumer issues such as food safety, and the influence of the media on food choices will also be examined. The unique nutrient needs of the various stages of the life cycle such as pregnancy and childhood will be presented. Topics such as healthy weight management will also be studied. "Principles of Nutrition" is taught by a Registered Dietitian and offers students the experience to study the complex and interesting role nutrition plays in our overall health. There are no prerequisites for this course and it should fulfill the nutrition requirements for most Nursing Education programs. All students enrolled in the course must review their Villanova email as all initial course information will be sent to their Villanova email account in late April/early May. For additional information, please contact Dr. Costello at marcia.costello@villanova.edu.

Healthy Lifestyles and Human Values

12308 NUR 2200-015 (5/27-6/24)

3 cr.

Dr. Petit-deMange

The Healthy Lifestyles and Human Values course is designed to offer college students the opportunity to consider healthy lifestyles, health-related concerns, and issues of contemporary living with a focus on personal decision-making within a context of values and responsibility. Students will be exposed to comprehensive information on life issues and be able to identify available resources for education and health promotion. Course content, assignments and other related information will be accessed via the course Internet web page, and the required course textbook. Individual online responses and dialogue among students enrolled in the course will be extensive. There are no prerequisites for this course and it should fulfill the course requirements for a free elective requirement. All students enrolled in the course must review their Villanova email as all initial course information will be sent to their Villanova email account in late April/early May. For additional information, please contact Dr. Petit de Mange at elizabeth.petitdemange@villanova.edu

Research and Scientific Evidence in Nursing Practice**3 cr.**

12317 NUR 2810-015 (5/27-6/24)

Dr. Cantrell

Critically examines the use of scientific evidence in nursing practice with emphasis on the use of systematic scholarly inquiry and analytical skills. The process for discovering new scientific evidence across research paradigms and their associated methodologies are examined. For additional information, please contact Dr. Cantrell at mary.ann.cantrell@villanova.edu.

Knowledge, Reality, Self**3 cr.**

12331 PHI 1000-015 (5/27-6/24)

Staff

12332 PHI 1000-016 (5/27-6/24)

Staff

12333 PHI 1000-017 (5/27-6/24)

Dr. Klein

12334 PHI 1000-018 (5/27-6/24)

Dr. Klein

Philosophical responses to the questions of how we can know, what is real, and what is the nature of human existence that explore the dialogue between Catholic, Christian, secular and skeptical perspectives on these questions. For additional information, please Dr. Klein at julie.klein@villanova.edu.

Philosophy and Literature**3 cr.**

12475 PHI 2760-025 (6/26-7/27)

Dr. Lang

Philosophy concerns knowledge and knowledge often requires that we be able to sort out the differences between what appears to be true (but is in fact false) and what is really true; literature involves representation and representation produces an appearance; they come together when we focus on how a reader's knowledge contributes to the act of reading representational literature and in what way we expect the representations of literature to be "true". An author may reveal to the reader information hidden from characters in the story or an author may suppress information crucial to the story so as to trick the reader. A reader may know things that make a novel "false". The relation of the reader to the novel raises several questions and they lie at the heart of this course. How can an author utilize the reader's knowledge to generate suspense or comedy or sympathy for a character? Can an author move between "appearances" and "reality" within a novel and if so then how does a reader "know" the difference? How does the author rely on the reader's knowledge without reference to the information provided within the context of the literature? In this course, we shall read a short story, two novellas, and a novel in order to examine these questions. For additional information, please contact Dr. Lang at helen.lang@villanova.edu.

Philosophy and Film**3 cr.**

12335 PHI 4150-015 (5/27-6/24)

Dr. Carvalho

12336 PHI 4150-016 (5/27-6/24)

Dr. Carvalho

12337 PHI 4150-017 (5/27-6/24)

Dr. Carvalho

In this course we test answers to three questions: (1) How does a film corrupt, idealize, inform or correct our ordinary perception of reality? (2) How do films make meaning from the otherwise random gradations of light and incidental sounds attached to reels of perforated celluloid and/or digital data files? (3) How can we appreciate films as works of art? TEXT: Braudy and Cohen, *Film Theory and Criticism*, 6e (ISBN: 0195158172). REQUIREMENTS: Participation on Blackboard, six (500-1000 word) papers weighted equally and averaged to equal the final grade. For additional information, please contact Dr. Carvalho at john.carvalho@villanova.edu.

The Concept of Light

12482 PHY 1500-025 (6/26-7/27)

3 cr.

Dr. Siah

Historical and analytical survey of the concept of light from classical to modern view points. Open to VSB and Arts majors (fulfills Arts core science requirement when taken with PHY 1501). This Blackboard course allows students to download the syllabus, assignments, and the PowerPoint presentation of the lectures. Readings are assigned for every day of the course. Final grades are based on the assignments, tests, and participation in online discussions. A voluntary meeting at 1:00 p.m. on the Friday before the start of classes will be held in Mendel 362 for those interested in learning more about the course and/or how to participate in the course. Books required for the course are found in the Villanova University bookstore. For additional information, please contact Dr. Siah at javad.siah@villanova.edu.

Gravity

12343 PHY 1502-015 (5/27-6/24)

3 cr.

Dr. Siah

Gravitational force and the laws governing the motion of objects; Newton and Einstein's theories; role in the evolution of the universe; interaction with other forces of nature. Non-calculus based. For VSB and Arts majors (fulfills Arts core science requirement when taken with PHY 1503). This Blackboard course allows students to download the syllabus, assignments, and the PowerPoint presentation of the lectures. Readings are assigned for every day of the course. Final grades are based on the assignments, tests, and participation in on line discussions. A voluntary meeting at 1:00 p.m. on the Friday before the start of classes will be held in Mendel 362 for those interested in learning more about the course and/or how to participate in the course. Books required for the course are found in the Villanova University bookstore. For additional information, please contact Dr. Siah at javad.siah@villanova.edu.

American Government

12346 PSC 1100-015 (5/27-6/24)

3 cr.

Dr. Weikert

This course provides a broad overview of how American government, parties, media, and other contributors to American political life interact and form the American political system. Topics include the Constitutional framework, Civil Rights and Liberties, Inputs, Institutions of Government, and Outputs. For additional information, please contact Dr. Weikert at joshua.weikert@villanova.edu.

International Relations

12725 PSC 1200-035 (5/27-7/27)

3 cr.

Dr. Gustafson

This course provides an overview of the International Relations discipline and surveys key issues in global affairs. It offers a foundational understanding of the field's central questions, including the nature of power in the international system, the causes of conflict, and the effects of unprecedented interdependence. Moreover, it fosters a structured understanding of contemporary world challenges facing the pursuit of security and sustainable development. For additional information, please contact Dr. Gustafson at lowell.gustafson@villanova.edu

U.S. Constitutional Law I: Powers & Structure

12347 PSC 2140-015 (5/27-6/24)

3 cr.

Dr. Lomazoff

Major Supreme Court cases concerning the powers of Congress and the president, federalism, commerce taxing, and voting. Pre-requisite: PSC 1100.

U.S. Constitutional Law II: Rights & Liberties

12486 PSC 2145-025 (6/24-7/27)

3 cr.

Dr. Lomazoff

Major Supreme Court decisions, 1789 to the present, concerning provisions of the Bill of Rights and the Fourteenth Amendment; emphasis on constitutional "literacy," or the ability to read Court decisions and write about them. For additional information, please contact Dr. Lomazoff at eric.lomazoff@villanova.edu.

Theories of War and Peace

12726 PSC 3410-035 (5/27-7/27)

3 cr.

Dr. Gustafson

The relevance of the classics of political thought for understanding modern politics from the Greeks to the modern era. For additional information, please contact Dr. Gustafson at lowell.gustafson@villanova.edu.

TOP: British Politics

12348 PSC 4375-015 (5/27-6/24)

3 cr.

Dr. Warrick

Topical courses in comparative politics. For additional information, please contact Dr. Warrick at catherine.warrick@villanov.edu.

General Psychology

12736 PSY 1000-035 (5/27-7/27)

3 cr.

Dr. Krauss

Introductory examination of the fundamental concepts of psychology, with particular emphasis on the description of normal human behavior and those factors that underlie it. Prerequisite to all other courses in psychology. For additional information, please contact Dr. Krauss at steven.krauss@villanova.edu.

Industrial and Organizational Psychology

12356 PSY 2700-015 (5/27-6/24) Restricted to Part-Time Studies students

3 cr.

Dr. Stokes

12357 PSY 2700-016 (5/27-6/24) Restricted to non-Part-Time Studies students

Dr. Stokes

This course is designed to demonstrate how theories of psychology are applied to the workplace. To have effective workplaces and productive and motivated employees, organizations are looking closely at the impact of the organizations work environment, leadership, formal/informal policies and other factors. Topics include organizational structure, people and personality, motivation, job stress, group dynamics, communication and leadership and gender. Students will work in teams via the course chat rooms. Prerequisite: PSY 1000 or HON 1811. For additional information, please contact Dr. Stokes at robert.stokes@villanova.edu.

Social Problems

12499 SOC 1500-025 (6/26-7/27)

3 cr.

Dr. Pattnayak

Significant problems of American society; the sociocultural basis of social problems, the conditions facilitating their incidence, and approaches to effective policy intervention. For additional information, please contact Dr. Pattnayak at satya.pattnayak@villanova.edu.

Introductory Spanish I12366 SPA 1111-015 (5/27-6/24) *MTWTh 9:00-11:20 a.m.
F 9:00-10:50 a.m.***4 cr.**

Dr. Chacón

Groundwork Spanish, including oral proficiency, aural comprehension, and reading; for students with no prior knowledge of Spanish. Supplementary language laboratory work and oral drills. For additional information, please contact Dr. Chacón at luis.chacon@villanova.edu.

Introductory Spanish II12501 SPA1112-025 (6/26-7/27) *MTWTh 9:00-11:20 a.m.
F 9:00-10:50 a.m.***4 cr.**

Dr. Strayer

Groundwork Spanish, including oral proficiency, aural comprehension, and reading; for students with no prior knowledge of Spanish. Supplemental language laboratory work and oral drills. For additional information, please contact Dr. Strayer at mike.strayer@villanova.edu

Intermediate Spanish I12367 SPA 1121-015 (5/27-6/24) *MTWTh 11:30 a.m.-1:20 p.m.
F 11:30 a.m.-12:50 p.m.***3 cr.**

Dr. Percoco

Review of grammar, composition, reading and conversation. Students should have completed SPA 1111 and 1112 or the equivalent. For additional information, please contact Dr. Percoco at cristina.percoco@villanova.edu.

Intermediate Spanish II**3 cr.**12502 SPA 1122-025 (6/26-7/27) *MTWTh 11:30 a.m.-1:20 p.m.*

Dr. Percoco

F 11:30 a.m.-12:50 p.m.

Review of grammar, composition, reading and conversation. Students should have completed SPA 1121 or the equivalent. For additional information, please contact Dr. Percoco at percoco@villanova.edu.

Conversation and Composition I**3 cr.**12368 SPA 1131-015 (5/27-6/24) *MTWTh 6:00-8:50 p.m.*

Dr. Chacón

Regular practice in conversation and composition with review of grammar and continuing work on language skills in Spanish. Students should have completed SPA 1122 or the equivalent. For additional information, please contact Dr. Chacón at luis.chacon@villanova.edu.

Conversation and Composition II**3 cr.**12503 SPA 1132-025 (6/26-7/27) *MTWTh 6:00-8:50 p.m.*

Dr. Strayer

Regular practice in conversation and composition with review of grammar and continuing work on language skills in Spanish. For additional information, please contact Dr. Strayer at mike.strayer@villanova.edu.

Advanced Spanish for the Health Professions**3 cr.**

12369 SPA 1142-015 (5/27-6/24)

Dr. Duque

Designed for students and practicing healthcare professionals with basic knowledge of Spanish. Learners work with vocabulary and grammar within the context of a telenovela called *La comunidad*, and through a number of online and in-class activities. Topics include anatomy, common diseases, protocol for obtaining a medical history, and patient cultural belief systems as related to illness and health. For additional information, please contact Dr. Duque at adriano.duque@villanova.edu.

Literature & Culture Experience of Spain**3 cr.**

12504 SPA 2211-025 (6/26-7/27)

Dr. Poeta

The foremost works of Spanish literature from the beginnings to present day. A required course for majors. Students should have completed 1132 or the equivalent. Writing Enriched. For additional information, please contact Dr. Poeta at salvatore.poeta@villanova.edu.

Faith, Reason, and Culture**3 cr.**

12992 THL 1000-015 (5/27-6/24)

Dr. Spitaler

Study of Christianity with a particular focus on Roman Catholicism, animated by Augustine's concern to relate Christian faith, reason and human culture, using various disciplinary approaches within the fields of theology and religious studies. For additional information, please contact Dr. Spitaler at peter.spitaler@villanova.edu.

Theme: Perspectives on Forgiveness**3 cr.**

12379 THL 3790-015 (5/27-6/24)

Dr. Zavarich

This course provides an opportunity to examine the concept and process of forgiveness through the lens of theology, philosophy, and social sciences. The course will focus on such foundational yet challenging questions as: What does it mean to forgive? Do we have an ethical/moral duty to forgive? What does the process of forgiveness look like? For additional information, please contact Dr. Zavarich at joyce.zavarich@villanova.edu.

Church Architecture and Worship**3 cr.**

12743 THL 3790-035 (5/27-7/27)

Dr. Prusak

12744 THL 3790-036 (5/27-7/27)

Dr. Prusak

12745 THL 3790-037 (5/27-7/27)

Dr. Prusak

The earliest Christians celebrated the Lord's Supper or breaking of bread in homes. During the fourth century, in the West, they began to build churches in the Roman style called basilica. In Rome, some basilicas were erected over the site of the house in which the community had earlier assembled. Later centuries saw the rise of Romanesque and then Gothic architecture. After the Reformation, Baroque architecture emerged. The nineteenth century gave rise to the Gothic revival, exemplified by the Villanova University church. In exploring church architecture, art, and music, this course will reflect on the theology and the historical and cultural contexts that shaped the liturgical celebration of each age. The ever changing contexts will lead to asking how contemporary Christian worship should be embodied in architecture, art, and music. Prerequisite: THL 1050 or THL 1000 or THL 1051 or HON 1003 or HON 1053 or HON 1825 or HON 1827. For additional information, please contact Dr. Prusak at bernard.prusak@villanova.edu.

Business Analytics**3 cr.**

12384 VSB 2008-015 (5/27-6/24)

Dr. Mahar

12385 VSB 2008-016 (5/27-6/24)

Dr. Mahar

Use of business intelligence and quantitative methods, including statistical analysis, forecasting/extrapolation, predicative modeling, optimization and simulation in the context of organization decision making and problem solving. Permission of the Chairperson required. Prerequisites: MAT 1400 or MAT 1505 and MAT 1430 or MAT 1235 and VSB 1000 and ECO 1001 and ECO 1002 and VSB 1001 and VSB 1002 or VSB 1005. For additional information, please contact Dr. Mahar at stephen.mahar@villanova.edu.

Principles of Managerial Accounting**3 cr.**

12746 VSB 3006-015 (5/27-6/24)

Dr. Emig

12991 VSB 3006-016 (5/27-6/24)

Dr. Emig

How management accounting information can be used to help firms achieve strategic goals and profitability objectives. Use of an entrepreneurial perspective to examine how managers apply risk measurement and management techniques to business planning and control systems. Case-based learning to help students develop communication, technology, and team work. Prerequisite: VSB 2010 or ACC 1101 or HON 1101. For additional information, please contact Dr. Emig at james.emig@villanova.edu.

Operations Management**3 cr.**

12387 VSB 3008-015 (5/27-6/24)

Dr. S. Chaudhry

12388 VSB 3008-016 (5/27-6/24)

Dr. S. Chaudhry

12389 VSB 3008-017 (5/27-6/24)

Dr. Wright

12390 VSB 3008-018 (5/27-6/24)

Dr. Wright

Concepts and techniques for problems in manufacturing and service organizations. Topics: decision-making, forecasting, resource allocation, project management, quality, materials management, technology, and strategy. Prerequisite: MAT 1430 or VSB 2005 or DIT 2010 or MAT 4310 or MAT 1235 and VSB 2020. For additional information, Dr. Chaudhry at sohail.chaudhry@villanova.edu or Dr. Wright at daniel.wright@villanova.edu.

GRADUATE COURSES**Biostatistics & Exper. Design****4 cr.**

12235 BIO 7805-015 (5/27-6/24)

Dr. Russell

Conceptualization of experimental design, hypothesis testing, execution of statistical analyses, expression of statistical results, and effective graphical presentation of quantitative data. Includes a written exercise emulating peer-reviewed journal publication.

TOP: TBD **2 cr.**
12524 BIO 7970-035 (5/27-7/27) Staff
Current topics and methods in field biology and natural history explored using regional focus and extended off-campus experience.

Special Topics **3 cr.**
12590 CSC 9010-035 (5/27-7/27) *M 6:00-9:30 p.m.* Staff
Advanced elective study of topics of current interest and importance in the computer field. This may be retaken for a different topic.

Introduction to Hydraulics and Hydrology **3 cr.**
12536 CEE 7111-D35 (5/27-7/27) *M 6:00-9:30 p.m.* Dr. Emerson
Extension of fluid mechanics. Basic principles, mathematical concepts and solution methods, experimental data, and engineering judgement. Pressurized-flow systems, free surface flow, stream channel behavior and control, hydrologic data interpretation, hydrograph analysis and synthesis. Live on the Web Wednesdays from 6:00-9:30 p.m. Prerequisite: CEE 3500. For additional information, please contact the Civil Engineering Department at 610-519-4960.

Forensic Engineering **3 cr.**
12538 CEE 7402-D35 (5/27-7/27) *T 6:00-9:30 p.m.* Dr. Dinehart
Forensic evaluation and analysis of structural failures. Case studies of bridge, building, dam and construction catastrophes. Investigation of various failure mechanisms. CEE Students only.

Wood Design **3 cr.**
12540 CEE 7405-D35 (5/27-7/27) *MW 2:30-5:00 p.m.* Dr. Gross
Design and behavior of wood structural components with emphasis on design codes; ASD and LRFD design approaches; material properties; beams, tension members, compression members, combined loading; connections; structural panels; shear walls and diaphragms; engineered wood products. CEE Students only.

Fundamentals Env. Eng. Processes **3 cr.**
12542 CEE 7502-D35 (5/27-7/27) *T 6:00-9:30 p.m.* Dr. Salerno
Fundamental physical, chemical and biological principles and processes for water and wastewater treatment; chemical kinetics, reactor engineering, mass transfer and sedimentation. Prerequisites: CEE 3107 Mechanics III: Fluid Behavior or its equivalent and two semesters of undergraduate chemistry.

Des. of Sustainable Transportation **3 cr.**
12544 CEE 8206-D35 (5/27-7/27) *Th 6:00-9:30 p.m.* Dr. Fusco/Dr. McCarthy
Environmental consequences and transportation systems; context sensitive solutions; national measures of sustainability in transportation; infrastructure asset management. Prerequisite: CEE 2211 or equivalent introduction undergraduate course in transportation engineering (or consent of instructor).

Urban Hyd & Storm Water Management **3 cr.**
12547 CEE 8508-D35 (5/27-7/27) *Th 6:00-9:30 p.m.* Dr. Browne/Dr. Traver
Current engineering approaches to reduce adverse environmental effects of urbanization. Water quality and runoff quantity. Storm water management and best management practices. Prerequisite: CEE 7111 (or its equivalent).

CHE Economics **3 cr.**
12553 CHE 7580-D35 (5/27-7/27) *Th 6:00-9:15 p.m.* Dr. Coe
Techniques for economic evaluation of projects and processes; time value of money, return on investment, cost estimation of processes, alternative project evaluations, economic balances and optimization.

Public Relations Writing

12578 COM 8300-035 (5/27-7/27)

3 cr.

Ms. Flanagan

Journalistic style of writing, media ethics, targeting audiences, practice in fundamentals, media relations techniques; create portfolio writing samples, e.g., industry standard news releases, pitch letters and features, Q & A documents, crisis statements and position papers. Prerequisites: COM 8100 and (COM 8001 or COM 8002).

TOP: Cloud Computing12590 CSC 9010-035 (5/27-7/27) *M 6:00-9:30 p.m.*

Dr. DePasquale

Advanced elective study of topics of current interest and importance in the computer field. This may be retaken for a different topic.

Renewable Energy Policy12597 ECE 7000-D35 (5/27-7/27) *M 6:00-9:30 p.m.***3 cr.**

Mr. Alyanakian

An introduction to renewable energy policy from inception to current state of the industry. Deals with the evolution of policy from monopolistic to competitive marketplace. Study will include the various factors affecting this process.

Fundamentals of Solid State Electronics12599 ECE 7500-D35 (5/27-7/27) *T 1:00-4:30 p.m.***3 cr.**

Dr. Jupina

Solid state electronics concepts including semiconductor device physics, microelectronic fabrication, and SPICE modeling. Topics include quantum well structures, semiconductor physics, pn junctions, bipolar and field effect transistors, photolithography, oxidation, diffusion, and computer simulation of semiconductor devices. Live on the Web Tuesdays 6:00-9:30 p.m.

Semantic Web12601 ECE 8482-D35 (5/27-7/27) *T 6:00-9:30 p.m.***3 cr.**

Dr. Streit

This course defines the Semantic Web and implements Semantic Web solutions using a set of best practices. We model problems as ontologies, semantically enable data and visualize owl instances.

Security Risk Assessment & Management

12602 ECE 8488-D35 (5/27-7/27)

3 cr.

Dr. Pak

Fundamentals of vulnerability and risk assessment to mitigate and manage security risks. Analytical methodologies for information security risk assessment, test and evaluation. Practical experience with case studies and defense-in-depth concepts.

Computer Forensics and Incident Handling

12996 ECE 8496-D35 (5/27-7/27)

3 cr.

Dr. Solderitsch

Introduction to the application of forensic science principles and practices for collecting, preserving, examining, analyzing and presenting digital evidence. The capture/intercept of digital evidence, the analysis of audit trails, the recording of running processes, and the reporting of such information. Selected topics from the legal, engineering and information-technology domains. Lecture, tool explorations and hands-on experience along with written projects.

Sensors13003 ECE 8525-D35 (5/27-7/27) *W 4:30-7:00 p.m.***3 cr.**

Dr. Mastro

Recent developments in the field of smart sensor systems are reviewed. A systematic approach towards the design of smart sensor systems is presented. Smart sensor systems involving the measurement of physical quantities such as temperature, pressure, strain, acceleration, magnetic fields, etc. through the use of electrical, optical, and other transduction methods is discussed. The lectures include case studies. Prerequisite: ECE 7525.

Mech & Therm Behav of Solids **3 cr.**
12667 ME 8302-D35 (5/27-6/24) *T 2:00-5:30 p.m.*
Dr. Jen
Mechanisms for plastic deformation, creep, fatigue, and fracture; effects of stress, defects, structure, temperature, and corrosive environments on material behavior.

Advanced Pathophysiology **3 cr.**
12697 NUR 8901-035 (5/27-7/27) Staff
12698 NUR 8901-036 (5/27-7/27) Staff
Physiological processes and pathological changes that contribute to alterations in health.

Development of Nursing Science **3 cr.**
12699 NUR 8902-035 (5/27-7/27) Dr. Slaninka
Analysis of the evolution and continuing development of nursing science. For additional information, please contact Dr. Slaninka at susan.slaninka@villanova.edu.

Nursing Research **3 cr.**
12700 NUR 8904-035 (5/27-7/27) Dr. Cantrell
Critical appraisal of nursing studies and modes of inquiry for nursing practice, education and administration.

Research Concepts and Approaches **3 cr.**
12731 PSC 7000-015 (5/27-6/24) *TTh 5:15-8:15 p.m.* Dr. Kreuzer
Tools needed to think critically about questions of political science; various research methods employed by political scientists; skills necessary to write cogent essays and conduct original research.

Masterpieces of Hispanic Literature **3 cr.**
12370 SPA 7430-015 (5/27-6/24) Dr. Juliá
The seminar analyzes the major Spanish and Latin American authors included in the AP reading list. It is aimed to prepare AP teachers to know these authors in their context and using the latest analytical tools. This course also counts for the MA degree.

Masterpieces Spanish Elegy **3 cr.**
12505 SPA 7440-025 (6/26-7/27) Dr. Poeta

THE VILLANOVA SUMMER BUSINESS INSTITUTE (SBI)

The Villanova Summer Business Institute (SBI) is a ten-week full-time accelerated program for undergraduate students and recent graduates with non-business majors. The program is held on the Villanova University campus, just 12 miles west of Philadelphia, and is taught by Villanova School of Business faculty members. Students may opt to reside on campus or to commute to the campus daily.

Students will learn the basics of business through a broad range of integrated courses—Business Fundamentals, Applied Economics, Competitive Effectiveness, Corporate Responsibility and Financial Management & Reporting—that will help establish a solid foundation for professional success. Through a curriculum that emphasizes innovation, creativity and hands-on learning students will gain a solid understanding of the big picture of business. SBI is uniquely complemented by the one-credit Professional Success course which is devoted to helping students identify professional goals and navigate their way through the competitive job market.

ELIGIBILITY AND HOW TO APPLY:

The Villanova Summer Business Institute (SBI) is designed for undergraduate students who are non-business majors and have completed at least one year of academic study, and graduates with degrees in liberal arts, the sciences, engineering, nursing, or other non-business majors. Applicants may choose to complete the Summer Business Institute [application online](http://application online via tinyurl.com/sbiapp) via tinyurl.com/sbiapp.

Applications will be available beginning December 15, 2014. Admissions decisions are made on a rolling basis beginning mid-January. The application deadline is April 15, 2015. Early application is encouraged. Application materials should include the application form, resume, college transcript(s) and essay (“Why SBI”), and may be submitted electronically to sbi@villanova.edu.

FREQUENTLY ASKED QUESTIONS ABOUT SBI

When is the program held?

For 2015, SBI is scheduled from May 26- July 29, with no classes on July 3, in observance of Independence Day.

Where is SBI held?

Classes take place in Bartley Hall, the home of the Villanova School of Business at Villanova University. Villanova University is located on a picturesque, 254-acre campus, 12 miles west of Philadelphia. Commuter rail, high speed trolley, and bus transportation are available on campus, making trips to Philadelphia very convenient. Students can easily take advantage of the many cultural and historic venues, fabulous restaurants, and athletic events available in this world class city.

What is the cost of the program?

Tuition for SBI '15 is \$9,800 and includes books, the use of a financial calculator, the use of a laptop computer if needed, and a subscription to the Wall Street Journal. For students accepted into the program, a non-refundable deposit of \$500 is required upon enrollment; this deposit is applied against the program's tuition. Additional charges apply if students choose to live on campus.

Is financial aid available?

There is no financial aid available through SBI. Questions concerning additional grants and loans through PELL, Parents PLUS or other funding sources should be addressed to the Office of Financial Assistance. Students from institutions other than Villanova University should contact their respective financial assistance office.

Where do SBI students live?

Students have the opportunity to enhance their SBI experience by living on Villanova's campus. This residential component expands the learning environment beyond the walls of the classroom and facilitates group discussions and team projects. Please contact the Office of Residence Life to learn more about housing options. Villanova has also earned recognition for the quality and variety of its campus dining options. While living on campus is encouraged, it is not mandatory. Students are free to make their own arrangements for housing and meals. The cost of room and board (meals) for SBI '15 is approximately \$3,000. The meal plan includes 19 meals/week and \$50 in points for the 10-week period.

What is the application process?

The SBI application can be completed online. SBI employs rolling admissions, so applicants will have acceptance status shortly after the complete application package is received (beginning in mid-January).

Are there any special requirements or minimum GPA requirements for applying?

Interested students must be in good academic standing at his/her home institution and have successfully completed, or be in the process of completing, freshman year (generally 30 credits). While there is not a minimum GPA requirement for admission, a holistic review of credentials is conducted, and students must demonstrate a strong academic history in order to be considered for the program.

How are decisions communicated with applicants?

Application decisions will be sent to students via email typically within one month of submitting all requested application materials.

What credentials do students receive upon completion of SBI?

Villanova students who successfully complete SBI earn a business minor. Students from other universities earn a SBI certificate. In both cases, the SBI experience will broaden skill sets, strengthen academic foundations, build professional confidence, improve problem solving and decision making skills, and serve as an impressive credential on resumes.

Can students from other schools attend the program?

Absolutely! The Summer Business Institute is open to qualified students from any accredited school or university located in the United States or abroad*. SBI can also help recent non-business graduates gain business insights that can help them be more productive in their first job. *Note: International students must be matriculated in a full-time course of study at a U.S. institution prior to applying to SBI.

Can students finish an in-progress Business minor through SBI?

Due to the integrated design of the curriculum, the Summer Business Institute is not an appropriate way to complete a business minor already in progress.

What's the next step?

Interested Villanova students should discuss SBI with their academic advisor to ensure they understand how SBI credits will be handled within their school. Additionally, students from outside Villanova should discuss this opportunity with the appropriate advisor(s) at their institution.

More Questions?

Please contact Samantha Wheeler, Assistant Director, Business Minor Programs, at The Clay Center at VSB, at sbi@villanova.edu, or (610) 519-6669.

OFFICE OF EDUCATION ABROAD

ELIZABETH CAMPANELLA, DIRECTOR
OFFICE: MIDDLETON HALL, 2ND FLOOR
PHONE: 610-519-6412
abroad.villanova.edu

EMAIL: abroad@villanova.edu

WHERE WILL YOU BE NEXT SUMMER?

Villanova University sponsors International Summer Programs in Europe, Asia, Africa, and Latin America. These summer programs, open to both VU and non-VU students, offer opportunities in these areas of study:

- [Business Programs](#)
- [Language & Literature Programs](#)
- [Arts & Culture Programs](#)
- [Augustine & Architecture](#)

These summer programs are either intensive language, literature and civilization programs, business programs, internship programs, or area studies programs.

The Office of Education Abroad (OEA) plans, coordinates, and implements all Villanova University overseas study programs and study centers. Additionally, the OEA coordinates various on-campus, international educational activities. VU summer programs are directed by Villanova University Faculty Program Coordinators (FPC) from all academic disciplines and departments. Instruction is offered by VU Faculty Program Coordinators as well as faculty members associated with the host institution.

General Requirements

- 2.75 GPA on a 4.0 scale; some programs require a higher GPA
- Full-time university status without disciplinary or academic probation or financial holds
- Students must attend program through the stated dates
- *Additional Academic Requirements and/or Special Instructions* may be listed on the specific program descriptions

Please visit us on our web site and download the summer program application packet which includes all of the necessary forms: abroad.villanova.edu.

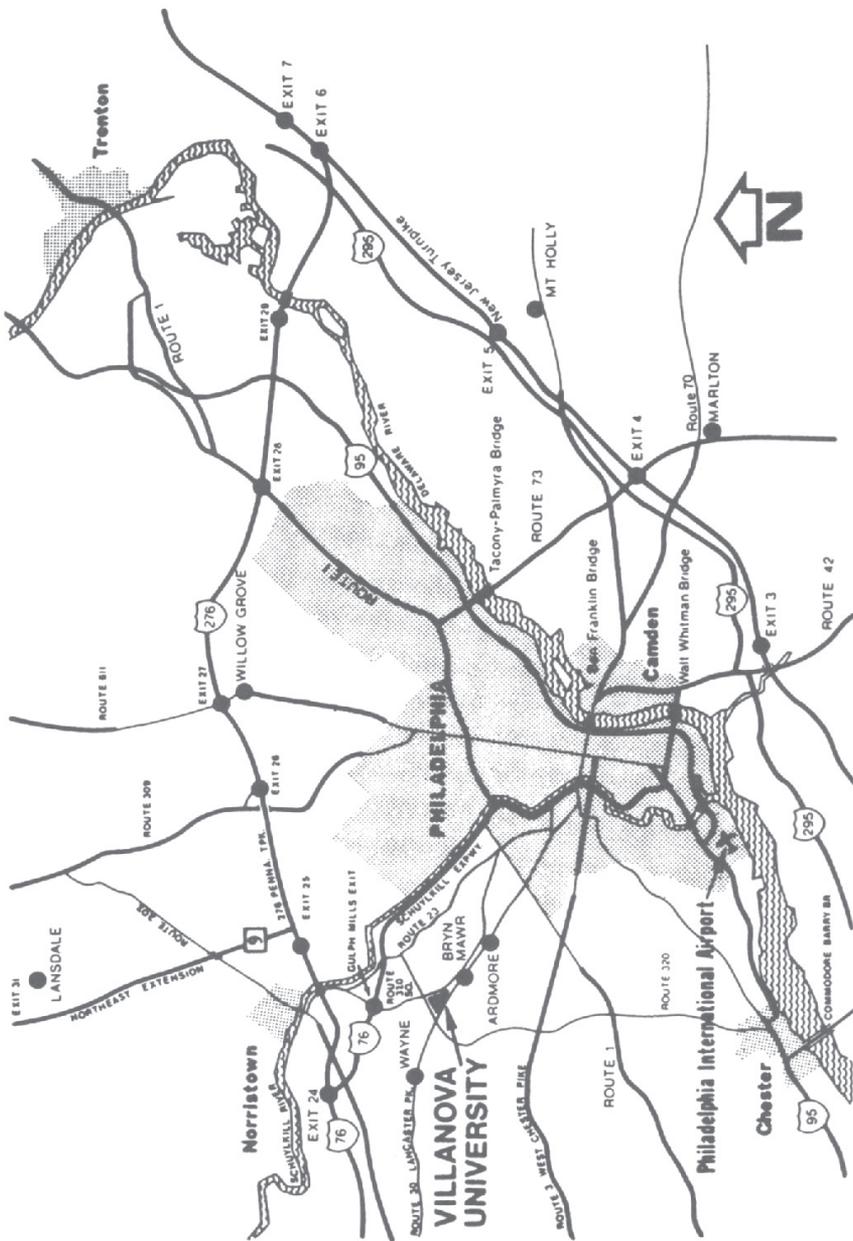
Summer Applications are due NO LATER than April 1, 2015. Admission is based on rolling admissions, programs may fill prior to April 1, 2015. All forms and summer program applications can be found on the OEA Web site.

NOTICE: Villanova University reserves the right to modify or cancel any program.

ADMINISTRATION

OFFICERS OF ADMINISTRATION

<i>President</i>	<i>Rev. Peter M. Donohue, O.S.A., Ph.D.</i>
<i>Vice-President for Academic Affairs</i>	<i>Rev. Kail C. Ellis O.S.A., Ph.D.</i>
<i>Special Assistant to the President for</i>	
<i>Alumni and External Relations</i>	<i>Rev. George F. Riley, O.S.A., Ph.D.</i>
<i>Executive Vice-President</i>	<i>Kenneth G. Valosky, C.P.A., M.S.</i>
<i>Vice-President and General Counsel</i>	<i>Debra F. Fickler, J.D.</i>
<i>Vice-President for Student Life</i>	<i>Rev. John P. Stack, O.S.A., M.A.</i>
<i>Senior Vice-President for University Advancement and</i>	
<i>Alumni Relations</i>	<i>Michael J. O'Neill, M.B.A.</i>
<i>Vice President for University Communication</i>	<i>Ann E. Diebold, M.B.A.</i>
<i>Vice-President for Mission & Ministry</i>	<i>Barbara E. Wall, Ph.D.</i>
<i>Vice-President for Technology & Chief Information Officer</i>	<i>Stephen W. Fugale, B.S.</i>
<i>Interim Dean, College of Liberal Arts and Sciences</i>	<i>Adele Lindenmeyr, Ph.D.</i>
<i>Dean, College of Engineering</i>	<i>Gary A. Gabriele, Ph.D.</i>
<i>Dean, Villanova School of Business</i>	<i>Patrick G. Maggitti, Ph.D.</i>
<i>Dean, College of Nursing</i>	<i>M. Louise Fitzpatrick, Ed.D.</i>
<i>Interim Dean, Graduate Studies,</i>	
<i>Liberal Arts & Sciences</i>	<i>Christine Kelleher Palus, Ph.D.</i>
<i>Dean, School of Law</i>	<i>John Y. Gotanda, J.D.</i>
<i>Dean, Enrollment Management</i>	<i>Stephen R. Merritt, B.A.</i>
<i>Dean of Students</i>	<i>Paul F. Pugh, M.A.</i>
<i>Director of Financial Assistance</i>	<i>Bonnie L. Behm, M.S.</i>
<i>Director of Library</i>	<i>Millicent Gaskill, M.S.</i>
<i>Assistant Vice-President for Multicultural Affairs</i>	<i>Teresa A. Nance, Ph.D.</i>
<i>Registrar</i>	<i>Pamela Braxton, B.S.</i>
<i>Director, Summer Session</i>	<i>Mary Bustamante, M.B.A.</i>



2015 SUMMER SCHOOL HOUSING INFORMATION

Assistant Director for Housing Services: Marie Schauder
Contact Information: (610-519-4150) or marie.schauder@villanova.edu

Summer Housing Application Process:

Villanova has a limited number of housing spaces available for students during the summer who are enrolled in Summer School or the Summer Business Institute, working for the Summer Research Program or participating in a local Summer Internship program. Students interested in obtaining on-campus housing for the summer must complete a Summer Housing Application which can be found at www.housing.villanova.edu. Non-Villanova students or newly admitted students who do not have a Villanova Username and Password should contact the Office for Residence Life at residencelife@villanova.edu to request access to the application.

Application Deadlines: To insure your room reservation, the Summer Housing Application must be submitted by **Friday, May 1st for Summer Sessions I & III and by Friday, June 5th for Session II**. Room and Board fees will be assessed to student Bursar accounts upon assignment.

Meal Plans: All students residing in the residence halls during the summer sessions must have a University Dining Services Meal Plan. The cost for the meal plan for the summer sessions is included in the room and board rates.

Summer Housing: Summer housing for students attending summer school or participating in the SBI, a summer internship or the Summer Research programs will be housed in double room accommodations in Stanford Hall or single room accommodations in St. Mary's Hall. Students must provide their own linens, pillows, pillow cases, towels and blankets. A small desk lamp should also accompany each student. Rooms in Stanford and St. Mary's Halls are air-conditioned.

Temporary housing accommodations may be available in double rooms in O'Dwyer or Simpson Halls at a prorated rate for students who are attending summer school/ SBI and their off-campus lease does not begin until June 1st. Students must provide their own linens, pillows, pillow cases, towels and blankets. A small desk lamp should also accompany each student. Rooms in O'Dwyer and Simpson Halls are not air-conditioned. Students interested in being considered for temporary housing must submit the Summer Housing Application at www.housing.villanova.edu.

Room and Board Rates: Will be posted at <http://www1.villanova.edu/villanova/studentlife/reslife/rates.html> after March 1st, 2015.

Check-In/Check-Out:

Students assigned to Stanford and St. Mary's Halls should check-in to their residence hall during the hours listed in this section. Students assigned to temporary housing in O'Dwyer and Simpson Halls should check-in at the Office for Residence Life, 2nd Floor, Kennedy Hall between the hours of 9 am and 5 pm on Tuesday, May 26th.

Students not registered to reside on campus prior to Tuesday, May 26th, 2015 for Session I & III and Thursday, June 25, 2015 for Session II should go directly to the Office for Residence Life to register for housing. Students not vacating at the times stated will be **charged for improper check-out**.

- **Session I:** Check-in time is Tuesday, May 26, 12 noon – 8 PM. Check-out is Wednesday, June 24 by 4 PM.
- **Session II:** Check-in time is Thursday, June 25, 12 noon – 5 PM. Check-out is Tuesday, July 28 by 4 PM.
- **Session III:** Check-in time is Tuesday, May 26, 12 noon – 8 PM. Check-out is Tuesday, July 28 by 4 PM.

Off-Campus Housing:

Students desiring additional roommates, and landlords with rooms, apartments, or houses for rent advertise through the Office for Residence Life on a voluntary basis. The Office for Residence Life does not inspect or otherwise endorse these listings, but will assist students with their search for off-campus housing. Please refer to our web site for assistance:
<http://www.reslife.villanova.edu/offcampus/offcampus.html>.

201610

____-____-_____

VU ID or Social Security Number

OPTIONAL REGISTRATION FORM FOR VISITING STUDENTS VILLANOVA UNIVERSITY SUMMER SESSION 2015

ONLINE REGISTRATION AVAILABLE AT SUMMERSESSION.VILLANOVA.EDU

Office of the Registrar

LAST SEMESTER

ATTENDED V.U. _____ SEM./YR.

Last Name / First / Middle

Apt. or c/o

Street

City / State / Zip

() _____-_____

Area Code PHONE during business hours

Please indicate if change of address

Please indicate current High School, College, or University _____

Email Address _____

I understand that I am financially responsible for all courses in which I register. I understand that non-attendance of classes, including Distance Learning classes, does not constitute automatic withdrawal and carries full financial obligation.

Student's Signature

____/____/____ DATE

NB: Any visiting student wishing to apply for financial assistance should contact their "home" institution.

Visiting students may apply online by going to summersession.villanova.edu and clicking on Apply now!

After completing, the Office of the Registrar will send an email confirmation with follow-up instructions for online registration.

Table with 5 columns: CRN, COURSE I.D. NUMBER (SUBJ, CRSE, SECT), CREDITS. Multiple empty rows for registration.

NEW SUMMER VISITING STUDENTS - GENERAL INFORMATION REQUIRED

() FEMALE BIRTHDATE MARITAL STATUS () WIDOWED-W COUNTRY OF CITIZENSHIP: () MALE MONTH / DATE / YEAR () MARRIED-M () SEPARATED-X () DIVORCED-D (If other than U.S.A.)

TO COMPLY WITH FEDERAL LAW, VILLANOVA UNIVERSITY IS REQUIRED TO PROVIDE THE FOLLOWING RACIAL/ETHNIC INFORMATION. THESE DATA WILL NOT BE USED FOR ANY OTHER PURPOSE.

What is your Ethnicity? Please circle one: Hispanic or Latino Not Hispanic or Latino

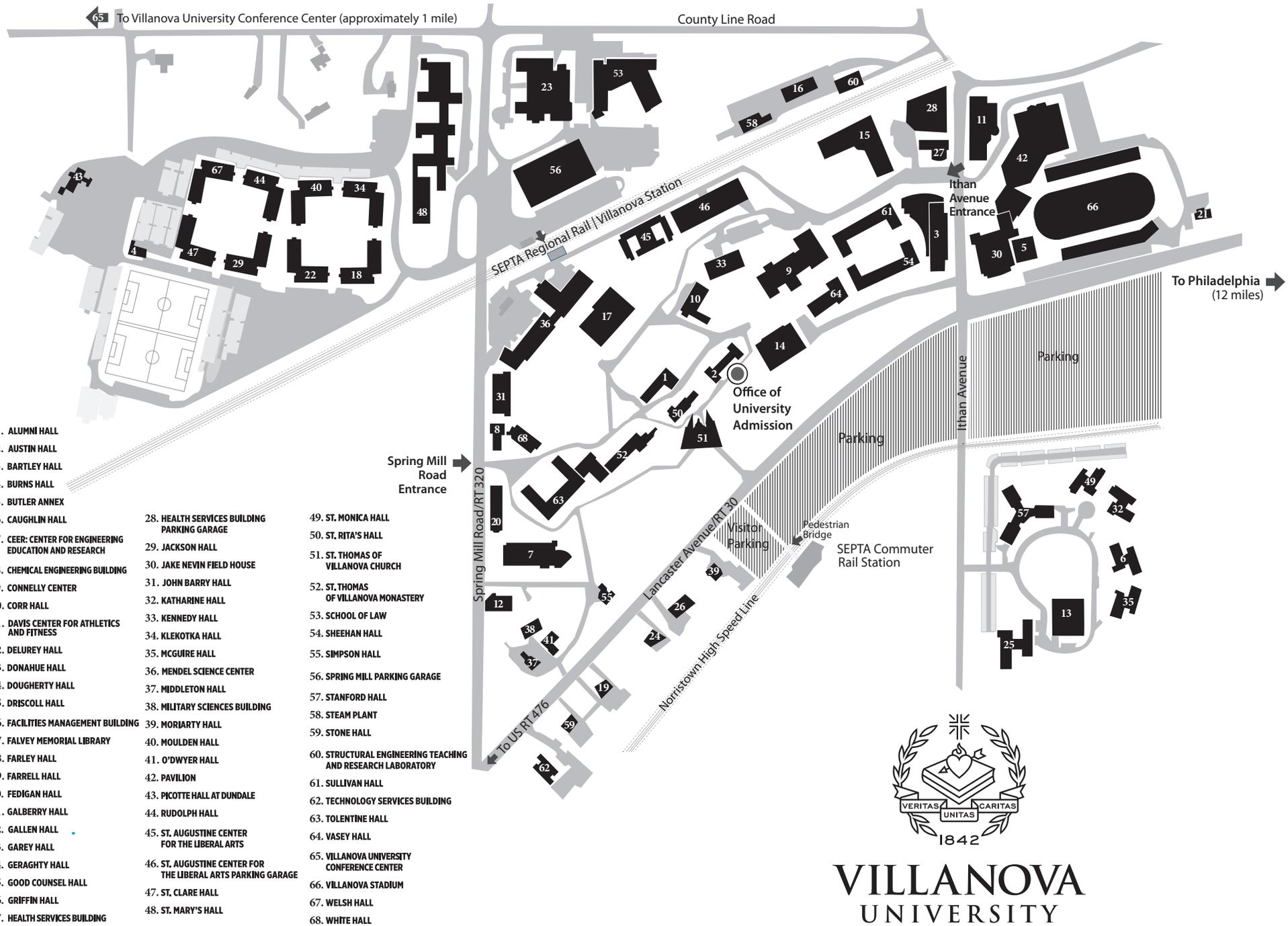
What is your race? Circle one or more races to indicate what you consider yourself to be.

- American Indian or Alaska Native (AIA) Asian (A) Black or African American (BAA) Native Hawaiian or Other Pacific Islander (HPI) White (W)

Return completed form to: Office of the Registrar Room 202 Tolentine Hall Villanova University Villanova, PA 19085

Email: registrar@villanova.edu

Fax: 610-519-4033



- 1. ALUMNI HALL
- 2. AUSTIN HALL
- 3. BARTLEY HALL
- 4. BURNS HALL
- 5. BUTLER ANNEX
- 6. CAUGHLIN HALL
- 7. CEER: CENTER FOR ENGINEERING EDUCATION AND RESEARCH
- 8. CHEMICAL ENGINEERING BUILDING
- 9. CONNELLY CENTER
- 10. CORR HALL
- 11. DAVIS CENTER FOR ATHLETICS AND FITNESS
- 12. DELUREY HALL
- 13. DONAHUE HALL
- 14. DOUGHERTY HALL
- 15. DRISCOLL HALL
- 16. FACILITIES MANAGEMENT BUILDING
- 17. FALVEY MEMORIAL LIBRARY
- 18. FARLEY HALL
- 19. FARRELL HALL
- 20. FEDIGAN HALL
- 21. GALBERRY HALL
- 22. GALLEN HALL
- 23. GAREY HALL
- 24. GERAGHTY HALL
- 25. GOOD COUNSEL HALL
- 26. GRIFFIN HALL
- 27. HEALTH SERVICES BUILDING
- 28. HEALTH SERVICES BUILDING PARKING GARAGE
- 29. JACKSON HALL
- 30. JAKE NEVIN FIELD HOUSE
- 31. JOHN BARRY HALL
- 32. KATHARINE HALL
- 33. KENNEDY HALL
- 34. KLEKOTKA HALL
- 35. MCGUIRE HALL
- 36. MENDEL SCIENCE CENTER
- 37. MIDDLETON HALL
- 38. MILITARY SCIENCES BUILDING
- 39. MORIARTY HALL
- 40. MOULDEN HALL
- 41. O'DWYER HALL
- 42. PAVILION
- 43. PICOTTE HALL AT DUNDALE
- 44. RUDOLPH HALL
- 45. ST. AUGUSTINE CENTER FOR THE LIBERAL ARTS
- 46. ST. AUGUSTINE CENTER FOR THE LIBERAL ARTS PARKING GARAGE
- 47. ST. CLARE HALL
- 48. ST. MARY'S HALL
- 49. ST. MONICA HALL
- 50. ST. RITA'S HALL
- 51. ST. THOMAS OF VILLANOVA CHURCH
- 52. ST. THOMAS OF VILLANOVA MONASTERY
- 53. SCHOOL OF LAW
- 54. SHEEHAN HALL
- 55. SIMPSON HALL
- 56. SPRING MILL PARKING GARAGE
- 57. STANFORD HALL
- 58. STEAM PLANT
- 59. STONE HALL
- 60. STRUCTURAL ENGINEERING TEACHING AND RESEARCH LABORATORY
- 61. SULLIVAN HALL
- 62. TECHNOLOGY SERVICES BUILDING
- 63. TOLENTINE HALL
- 64. VASEY HALL
- 65. VILLANOVA UNIVERSITY CONFERENCE CENTER
- 66. VILLANOVA STADIUM
- 67. WELSH HALL
- 68. WHITE HALL



VILLANOVA
UNIVERSITY
 IGNITE CHANGE. GO NOVA.



VILLANOVA UNIVERSITY

800 LANCASTER AVENUE

VILLANOVA, PENNSYLVANIA 19085-1699

Nonprofit organization

U. S. POSTAGE

PAID

VILLANOVA UNIVERSITY