

BRYN ATHYN  
COLLEGE

---

2009-10 Schedule of Courses

---

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:10 am	<b>1</b>		<b>1</b>		<b>1</b>
8:30 am	<b>8:10–9:20</b> Econ131, Eng100 PSci312, Rel110, Rel335	<b>7</b> <b>8:30–10:20</b> Ed260, Hist301, *Mus100, PE110, Rel105	<b>8:10–9:20</b> Econ131, Eng100 PSci312, Rel110, Rel335	<b>7</b> <b>8:30–10:20</b> Ed260, Hist301, *Mus100, PE110, Rel105	<b>8:10–9:20</b> Econ131, Eng100 PSci312, Rel110, Rel335
9:30 am	<b>2</b> <b>9:30–10:40</b> Geog110, Hist225 *Math150, Phil102, Pyc203		<b>2</b> <b>9:30–10:40</b> Geog110, Hist225 *Math150, Phil102, Pyc203	<b>22</b> <b>8:30–12:20</b> *Bio120-1L	<b>2</b> <b>9:30–10:40</b> Geog110, Hist225 *Math150, Phil102, Pyc203
10:30 am					
10:45 am	Religion Elective	<b>8</b> <b>10:30–12:20</b> Bio375, Ed235, Ed401, Math315, Phil310, Rel101-0, Rel310, SSci290 Thea120,	Chapel and Town Hall	<b>8</b> <b>10:30–12:20</b> Bio375, Ed235, Ed401, Math315, Phil310, Rel101-0, Rel310, SSci290 Thea120,	Religion Elective
11:10 am	<b>3</b> <b>11:10 – 12:20</b> Bio235, Mus113, PE121, Phil101, Sp105, Writ101-1		<b>10:45–12:20</b>		<b>3</b> <b>11:10–12:20</b> Bio235, Mus113, PE121, Phil101, Sp105, Writ101-1
1:20 pm	<b>4</b> <b>1:20–2:30</b> *Bio120-0, *Bio120-1, *Chem210, Eng220, FA101/201, Hist117-1, Lat110, Math100, Rel210	<b>3</b> <b>1:20–2:30</b> Bio235, Mus113, PE121, Phil101, Sp105, Writ101-1	<b>4</b> <b>1:20–2:30</b> *Bio120-0, *Bio120-1, *Chem210, Eng220, FA101/201, Hist117-1, Lat110, Math100, Rel210	<b>9</b> <b>1:20–3:10</b> Ed340, Hist310, Math230	<b>4</b> <b>1:20–2:30</b> *Bio120-0, *Bio120-1, *Chem210, Eng220, FA101/201, Hist117-1, Lat110, Math100, Rel210
2:40 pm	<b>5</b> <b>2:40–3:50</b> Hist117-0, Rel101-1 Rel220, Writ101-0	<b>9</b> <b>2:40–4:30</b> Ed340, Hist310, Math230	<b>5</b> <b>2:40–3:50</b> Hist117-0, Rel101-1 Rel220, Writ101-0		<b>5</b> <b>2:40–3:50</b> Hist117-0, Rel101-1 Rel220, Writ101-0
4:00 pm	<b>6</b> <b>4:00–5:50</b> Eng320, *FA140/240 Pyc101, Rel273 Span201, Thea110		<b>6</b> <b>4:00–5:50</b> Eng320, *FA140/240 Pyc101, Rel273 Span201, Thea110	<b>24</b> <b>1:20–5:10</b> *Bio120-0L	<b>6</b> <b>4:00–5:50</b> Eng320, *FA140/240 Pyc101, Rel273 Span201, Thea110
		<b>23</b> <b>2:40–5:50</b> *Chem210L			
7:00 pm	<b>11</b> <b>7:00–8:50</b> CSci105, *FA120/220, PE130	<b>12</b> <b>7:00–8:50</b> Bus241, PE130	<b>11</b> <b>7:00–8:50</b> CSci105, *FA120/220,	<b>12</b> <b>7:00–8:50</b> Bus241, PE130	Athletics PE115: Mo/We/Th/Fr (4–6 pm) PE116: Mo/Tu/We/Th (7–9 pm)

# Fall 2009 Course List with Block Number

As of 06/20/2009. (Independent Study and Experiential Learning courses not listed.)

BLOCK	NAME OF COURSE	TITLE	CREDITS	INSTRUCTOR
4	Biology 120	Principles of Biology	4	A.F. Bryntesson, S.L. Cooper
3	Biology 235	Ecology	3	S.L. Cooper
8	Biology 375	Bio Lab Techniques: Ecology	2	S.L. Cooper, E.R. Potapov
12	Business 241	Accounting I	3	Staff
4	Chemistry 210	Organic Chemistry I	4	A.J. Bedford
11	Computer Science 105	Intro to Information Processing Systems	3	Staff
1	Economics 131	Macroeconomics	3	C.W. Lindsay
8	*Education 235	Developmental Reading	3	N.G. Phillips
7	Education 260	Technology Integration in the Classroom	3	J.C. Hyatt
SP	*Education 317	Human Development: Early Childhood	3	N.G. Phillips
9	Education/Psych 340	Educational Psychology	3	S.S. Werner, Staff
8	*Education 401	General Methods/Classroom Management	3	K.R. Alden
SP	Education 424	Teaching the Letter of the Word (K-8)	1.5	K.R. Alden
1	English 100	English as a Second Language	3	N.G. Phillips
4	English 220	English Literature Survey I	3	R.S. Cooper
6	English 320	The English Language	3	T.P. Glenn
4	Fine Arts 101	Aegean to Early Christian (IL)	3	M. Gyllenhaal
11	*Fine Arts 120	Metal Work I	3	M. Gyllenhaal
6	*Fine Arts 140	Drawing and Painting. Fall, Spring	3	M. Gyllenhaal
4	Fine Arts 201	Aegean to Early Christian (IL)	3	M. Gyllenhaal
11	*Fine Arts 220	Metal Work II	3	M. Gyllenhaal
6	*Fine Arts 240	Intermediate Painting. Fall, Spring	3	M. Gyllenhaal
1	Geography 110	World Regional Geography		Staff
4	History 117	The Contemporary World	3	D.G. Rose
5				
2	History 225	History of Colonial America 1607-1763 (W)	3	B.D. Henderson
7	History 301	Historical Methods	3	B.D. Henderson
9	History 310	Religion in Ancient Greece and Rome	3	W.E. Closterman
4	Latin 110	Beginning Latin I	3	S.I. Frazier
4	Mathematics 100	Intro to Quantitative Reasoning (QR)	3	A.F. Bryntesson, N. Simonetti
2	Mathematics 150	Calculus I	4	C.B. Bongers
9	Mathematics 230	Linear Algebra (QR)	3	N. Simonetti
8	Mathematics 315	Introduction to Probability Theory	3	N. Simonetti
7	Music 100	College Chorale	1 (Non-A)	C.W. Simons
3	Music 113	Music Theory I	3	C.W. Simons
6	Physical Education 110	Tennis	1.5 (Non-A)	M. DeBaise
6A	*Physical Education 115	Intercollegiate Men's Soccer	1.5 (Non-A)	E. Steiner
11A	*Physical Education 116	Intercollegiate Women's Volleyball	1.5 (Non-A)	N. Dewees
3	Physical Education 121	Contemporary Modern Dance	1.5 (Non-A)	J. Bostock
12	Physical Education 130	Badminton and Archery	1.5 (Non-A)	F. Reinprecht, A.I. Smith
9	Physical Education 230	Coaching (EE)	3 (Non-A)	H.J. Bryntesson
3	Philosophy 101	Critical Thinking	3	S.D. Cole
2	Philosophy 102	Introduction to Philosophy	3	D.A. Synnvestvedt
8	Philosophy 310	Topics in Contemporary Philosophy I	3	D.A. Synnvestvedt
1	Political Science 312	International Relations	3	D.G. Rose
6	Psychology 101	Introductory Psychology	3	Staff
2	Psychology 203	Personality Theory	3	E. van Zyverden
5	Religion 101	Introduction to New Church Doctrines	3	T.P. Glenn R.J. Silverman
8				
7	Religion 105	God, Man, and Creation	3	R.J. Silverman
1	Religion 110	Systematic Theology	3	S.I. Frazier
4	Religion 210	Divine Providence and Human Prudence	3	K.H. Asplundh
5	Religion 220	The Torah (Scriptural)	3	S.I. Frazier
6	Religion 273	Religion and Marriage	3	K.H. Asplundh, R.J. Silverman
8	Religion 310	Studies in Arcana Coelestia (W)	3	T.P. Glenn
1	Religion 335	The Human Mind	3	TBD
8	Social Science/History 290	Social Movements	3	J.K. Williams-Hogan
6	Spanish 201	Intermediate Spanish I	3	M.M. Walker
3	Speech 105	Public Speaking (PP). Fall, Spring	3	S.V. Bernhardt
6	Theater 110	Introduction to Performance Arts	3	S.V. Bernhardt
8	Theater 120	Set Design and Production (EEC)	3	N. Haus-Roth
3	Writing 101	Expository Writing	3	R.S. Cooper A. Rogers-Petro
5				

\* This course may differ slightly from the block times or locations indicated. Check SONIS for exact meeting times and locations.

Non-A = Non Academic Course.

## Fall Term 2009

### Biology

---

#### Biology 120. Principles of Biology

This introductory course is for students planning to major in biology and for students in other majors who may want to take more than one science course as undergraduates or pursue a postgraduate degree in the life sciences. Provides an integrated overview of biology, covering basic principles in cell and molecular biology, energy transport, genetics, microevolution, macroevolution, phylogenetics and biological diversity. Laboratory included.

4 Credits. Fall. A.F. Bryntesson, S.L. Cooper

#### Biology 235. Ecology

Study of the physical, chemical, and biological processes that determine the distribution and abundance of plants and animals. Energy flow, food webs, adaptation of species, population dynamics, species interactions, nutrient cycling, and ecological succession. Prerequisite: Biology 120.

3 Credits. Fall. S.L. Cooper

#### Biology 298, 398. Biology Internship (EE)

Credit and requirements variable. Proposals must be approved by head of major. Students may apply for Biology 298 after one year and at least two 200- or 300-level biology courses, and for Biology 398 after two years of study and at least three 200- or 300-level biology courses and Chemistry 110/111. Course may be repeated for credit. Internships at other institutions must be applied for and arranged by the student.

Credit variable. By arrangement. Staff

#### Biology 375. Biological Laboratory Techniques: Ecology

Junior level biology laboratory course supporting Biology 235, 240, 335, and 360. Topics include various methods of field and aquatic sampling for soils, sediments, plants, and animals; algae, plant, and invertebrate identification using taxonomic keys; laboratory and data analyses of soils, sediments, community structure, and diversity. Laboratory reports and scientific writing skills integral. Prerequisite or co-requisite: Biology 235.

2 Credits. Fall. S.L. Cooper, E.R. Potapov

#### Biology 490. Biology Seminar I

Broadened exposure to active areas of biology and reading current literature. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.

1 Credit. Fall. Staff

#### Biology 495. Senior Project

Independent research project or scholarly study under the supervision of a faculty member. Topic chosen by mutual agreement between student and supervisor. Limited to and required of biology majors. Senior project proposals are required Spring of junior year.

3 Credits. By arrangement. Staff

### Business

---

#### Business 241. Accounting I

Introduction to basic financial accounting principles, the accounting cycle, the preparation of financial statements, and the use of computer spreadsheets.

3 Credits. Fall. Staff

#### Business 298, 398, 498. Business Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### Chemistry

---

#### Chemistry 210. Organic Chemistry I

Second year chemistry course for science majors. Topics include molecular orbital and hybrid orbital theory and bonding, chemical energetics, alkanes, alkenes, haloalkanes, alcohols, alkynes, dienes, stereochemistry, and classes of reactions and reaction mechanisms. Laboratory includes basic techniques in organic chemistry and computer based molecular modeling. First half of sequence with Chemistry 211. Prerequisite: Chemistry 111. Laboratory included.

4 Credits. Fall. A.J. Bedford

### Computer Science

---

#### Computer Science 105. Introduction to Information Processing Systems

This course includes three major areas of study: how computers and networks work, how data is stored and retrieved in a database, and how software is designed. Students are given practical exposures in all three areas and are challenged to develop and utilize database and programming skills.

3 Credits. Fall. Staff

### Economics

---

#### Economics 131. Macroeconomics

Study of the fundamentals of economic analysis with emphasis upon national output, employment, and price levels. Exploration of the monetary and financial system together with problems of economic stability. Special attention to the role of government fiscal and monetary policy. Consideration of current issues such as economic growth, federal budget deficits, and the impact of corporate scandal. Course includes student-led seminars and a trip to the Federal Reserve Bank.

3 Credits. Fall. C.W. Lindsay

### Education

---

#### \*Education 235. Developmental Reading

Theory and approaches to the teaching of reading, pre-kindergarten to sixth grade, including areas of readiness, phonics and comprehension skills, and materials currently available. Students must have space for 10 hours of morning observation time. Prerequisite: Education 128.

3 Credits. Fall. N.G. Phillips

#### Education 260. Technology Integration in the Classroom

Examination of the use of technology as a critical component of the learning environment for both students and teachers. Focus on concepts, skills, and issues impacting integration. Focus on the six areas identified by the National Education Technology Standards project for teachers: technology operations and concepts; planning and designing learning environments and experiences; teaching, learning, and curriculum; assessment and evaluation; productivity and professional practice; social, ethical, legal and human issues.

3 Credits. Fall. J.C. Hyatt

#### Education 298, 398, 498. Education Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

#### \*Education 317. Human Development: Early Childhood

Overview of the moral development of the young child, ages 2-6: physical-motor, emotional, social, moral, cognitive/intellectual, spiritual, and creative development. Basic techniques for

systematically observing and recording the behavior of young children. Review of secular writings in the light of New Church concepts. (Counts toward dual certification in Elementary/Early Childhood Education.) Alternates with Education 245. Prerequisite: Education 128 or Psychology 101 or permission of the instructor.

3 Credits. Fall. N.G. Phillips

### \*Education 325. Field Experience in a Multi-graded Classroom

30 hours of observation and teaching in a New Church school with multi-graded classrooms. Interactive journal required. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### \*Education 326. Field Experience in Differentiated Learning in Secondary Education

30 hours of observation and teaching in a New Church secondary school using the principles of differentiated learning. Interactive journal and some required reading. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### Education/Psychology 340. Educational Psychology

Study of secular psychology as it is applied to children and adolescents in the classroom setting. Major areas of study include classroom management, learning, and motivation. New Church doctrines include innocence, charity, development of the rational mind, and conscience. Prerequisite: Psychology 101 or Education 128.

3 Credits. Fall. S.S. Werner, Staff

### \*Education 401. General Methods and Classroom Management

Classroom observations, readings, practical assignments and discussion of the application of New Church and secular educational philosophy in the daily life of the school and classroom. Emphasis on designing effective curriculum-based instruction and classroom management skills. Prerequisite: Education 128 or permission of instructor.

3 Credits. Fall. K.R. Alden

### \*Education 402. Student Teaching (EE)

For students not pursuing Pennsylvania State Certification. Taken in conjunction with Education 404 in lieu of HFC-EDUN 402 and 404. Includes at least 11 weeks of combined observation and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Education Division and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.

3-12 Credits. Fall, Winter, Spring. K.R. Alden

### Education 404. Senior Seminar

Meets once a week while students do senior teaching. Taken in conjunction with Education 402. Requirements include: creating a professional teaching portfolio, reflective documentation of the senior teaching experience, research project, creation of a full unit which the student teacher will teach during their senior teaching. Offered when required. Open only to seniors in the education major.

3 Credits. Fall, Winter, Spring. K.R. Alden

### Education 424. Teaching the Letter of the Word (K-8)

Review of the General Church K-8 religion curriculum. Emphasis on how to draw meaning from stories in the Old and New Testament to conduct classroom worship, teach religion, lead discussions, and integrate religion with the teaching of other subjects. Students are exposed to a variety of resources and materials. Assignments include class presentation, unit building, brief observation, and leading one worship service. Required of elementary education majors. Open to Theological School students. Taken in conjunction with Education 401. Prerequisite: Education 128.

1.5 Credits. Fall. K.R. Alden

## Experiential Education

### Experiential Education 100. Service Trip (EE)

College sponsored trip. Minimum of four days on location in doing a college-prescribed service. Students submit learning plan to the director of experiential education prior to the trip and a reflection component upon completion. Special and often substantial charge to defray expenses may be necessary for enrollment. Pass/Fail. Course may be repeated for credit.

1 (non-academic) Credit. By arrangement. Staff

### Experiential Education 197. Service Learning Project (EE)

Service learning project requiring 60-70 hours/credit of involvement devoted wholly to service. The course includes a learning plan and reflection component, which are outlined in the syllabus. See Experiential Education section for policies governing service learning projects.

0.5-1.5 (non-academic) Credits. By arrangement. Staff

### Experiential Education 198. Internship (EE)

Proposals must be approved by the director of experiential education. See Experiential Education section for policies governing internships. Course may be repeated for academic credit.

Credit variable. By arrangement. Staff

## English

### English 100. English as a Second Language

Designed for all incoming non-native English speaking students to facilitate their transition into the American academic environment, as well as the College's unique religious culture. Focus on both written and spoken American English. Emphasis on American literature, library research skills, and writing as a process that leads to proficiency.

3 Credits. Fall. N.G. Phillips

### English 220. English Literature Survey I

Chronological overview of the development of English literature in England from the early medieval period through the Civil War (mid 17th century). Lecture and discussion on such authors as Chaucer, Shakespeare, John Donne, Ben Jonson, and more. One student report and one research paper.

3 Credits. Winter. R.S. Cooper

### English 298, 398, 498. English Internship (EE)

Proposals must be approved by the head of major. Prerequisite: 2 courses in English above the 100-level. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### English 320. The English Language

Study of the historical development of the language from Anglo-Saxon to Modern English, with some particular attention given to the development and characteristics of American English. Prerequisite: any 200-level English course.

3 Credits. Fall. T.P. Glenn

### English 490. English Major Writing Project

Writing project for the writing track of the English major. Independent work in criticism, fiction, or poetry, guided by an advisor. Involves student over a two-term period of the senior year.

3 Credits. Fall, Winter, Spring. K. King

### English 491. English Major Writing Project

Completion of the senior writing project.

3 Credits. Fall, Winter, Spring. K. King

## Fine Arts

---

### Fine Arts 101. Aegean to Early Christian (II)

Introductory survey of architecture, sculpture, and painting covering Aegean, Greek, Etruscan, Roman, Early Christian, and Byzantine art. Study of works from Glencairn's collection. Trip to the Metropolitan Museum of Art in New York.

3 Credits. Fall. M. Gyllenhaal

### \*Fine Arts 120. Metal Work I

Introduction to basic techniques in metal working including sawing, piercing, embossing, raising a bowl, cold joining, and soldering.

3 Credits. Fall, Winter. M. Gyllenhaal

### \*Fine Arts 140. Drawing and Painting

Introduction to basic techniques in drawing and painting. Oil painting project. Discussion of the development of the history of painting.

3 Credits. Fall, Spring. M. Gyllenhaal

### Fine Arts 201. Aegean to Early Christian (II)

Introductory survey of architecture, sculpture, and painting covering Aegean, Greek, Etruscan, Roman, Early Christian, and Byzantine art. Study of works from Glencairn's collection. Trip to the Metropolitan Museum of Art in New York.

3 Credits. Fall. M. Gyllenhaal

### \*Fine Arts 220. Metal Work II

Advanced projects using the skills covered in Fine Arts 120 with introduction to techniques such as the setting of gemstones and use of exotic woods.

3 Credits. Fall, Winter. M. Gyllenhaal

### \*Fine Arts 240. Intermediate Painting.

Introduction of more materials and techniques as well as more advanced use of concepts learned in Fine Arts 140. Prerequisite: Fine Arts 140.

3 Credits. Fall, Spring. M. Gyllenhaal

## Geography

---

### Geography 110. World Regional Geography

Study of world regions with emphasis on the geographic relationships – physical and cultural – that give them their character.

3 Credits. Fall. Staff

## History

---

### History 117. The Contemporary World

Global examination of the post-World War II era. Includes survey of political and economic developments in the different regions of the world and thematic approach to the contemporary global situation. Potential topics include: globalization and democratization. Current events discussions.

3 Credits. Fall. D.G. Rose

### History 225. History of Colonial America 1607-1763 (W)

Examination of the establishment and development of the British colonies in North America through a topical exploration of the religious, social, political, and economic framework of several key colonies and the nature of the evolving strain between the colonies and England. Particular attention given to the distinct founding goals and values of each colony as well as the evolution of unifying American identity by the middle of the 18th century. Special attention to analyzing sources and developing skills in historical writing.

3 Credits. Fall. B.D. Henderson

### History 298, 398, 498. History Internship II (EE)

Proposals must be approved by head of major. History internships are open to students in second year or above who have completed at least two history courses. Description of requirements available from head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### History 301. Historical Methods

Designed for history majors and upper-class students with an interest in the methodology of historical research. Exploration of the craft and tools of historical research and writing. Topics include: the philosophy of history, the use of primary sources as historical evidence, archival research, historical writing, and historiography. Original archival research on a topic of local history.

3 Credits. Fall. B.D. Henderson

### History 310. Religion in Ancient Greece and Rome

Investigates the nature of Greek and Roman religious practices and beliefs through a close study of primary texts and archaeological evidence. Examines the role of religion in Greek and Roman society. Introduction to various methodological approaches to the study of ancient religions. Consideration of the development of early Christianity and Judaism. Topics include sacrifice, gods and heroes, festivals, myth, oracles and divination, temples, and mystery cults.

3 Credits. Fall. W.E. Closterman

### History 490. Senior Research Paper I

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

### History 491. Senior Research Paper II

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

## Interdisciplinary Studies

---

### Interdisciplinary Studies 490. Senior Paper

For seniors in the Interdisciplinary Major. Clarify thesis, collect and analyze scholarly resources, produce extensive outline according to required time line, in cooperation with essay advisor. Pass/Fail. Prerequisite: Interdisciplinary 390.

3 Credits. Fall. S.S. Werner

## Latin

---

### Latin 110. Beginning Latin I

Introduction to the elements of Latin grammar and syntax to be used in translating classical authors and Swedenborg.

3 Credits. Fall. S.I. Frazier

## Mathematics

---

### Mathematics 100. Introduction to Quantitative Reasoning. (QR)

Introduction to mathematical concepts to improve basic skills in computation, algebra, graphing, and quantitative applications. This course prepares students for other mathematics courses and courses involving quantitative reasoning. Topics include logical fallacies, units of measure and currency, simple and compounding interest, and statistical reasoning.

3 Credits. Fall, Winter, Spring. A.F. Bryntesson, N. Simonetti

**Mathematics 150. Calculus I**

Limits, differentiation, maxima-minima, integration with applications, transcendental functions. Because of duplication of subject matter, students may not receive credit for both Mathematics 140 and Mathematics 150. Prerequisite: Mathematics 125 or appropriate score on placement test.

4 Credits. Fall. C.B. Bongers

**Mathematics 230. Linear Algebra (QR)**

Vector spaces, matrices, linear transformations, systems of linear equations, determinants, and eigenvalue problems. Introduction to mathematical proofs. Prerequisite: Mathematics 125, Mathematics 140 or Mathematics 150.

3 Credits. Fall. N. Simonetti

**Mathematics 315. Introduction to Probability Theory**

Probability spaces, random variables, moments, transformations and moment-generating functions, conditional distributions, and central limit theorems. Prerequisite: Mathematics 151 and Mathematics 230.

3 Credits. Fall. N. Simonetti

---

**Music****Music 100. College Chorale**

Development and performance of choral repertoire from Renaissance to modern. Instruction in the development of vocal techniques. Course may be repeated for credit.

1 (non-academic) Credit. Fall, Winter, Spring. C.W. Simons

**Music 113. Music Theory I**

Study of music theory and harmony, progressing from basic notation to advanced musical structures. Includes styles from the 18th-20th centuries.

3 Credits. Fall. C.W. Simons

**Music 185. Private Music Lessons or Choirs (EE)**

Privately arranged music instruction. Instructor provides a written assessment of the student's progress at the end of the term. Private lessons are the financial responsibility of the student. Prerequisite: Consent of division. Course may be repeated for credit.

1 Credit. Fall, Winter, Spring. Staff

---

**Physical Education****Physical Education 110. Tennis**

Instruction in basic and intermediate individual skills. Practice in singles and doubles tennis play, including game strategy, rules, and etiquette. Minimum of 8 students. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall. M. DeBaise

**\*Physical Education 115. Intercollegiate Men's Soccer**

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall. E. Steiner

**\*Physical Education 116. Intercollegiate Women's Volleyball**

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall. N. Dewees

**Physical Education 121. Contemporary Modern Dance**

A technique class suitable for both beginner and intermediate students. Healthy physical workout while developing knowledge of contemporary modern dance as an art form. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall. J. Bostock

**Physical Education 130. Badminton and Archery**

Basic instruction in skill techniques, rules, strategies, and competition in both badminton (5 weeks) and archery (5 weeks). Enrollment limited to eighteen students. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall. F. Reinprecht, A.I. Smith

**Physical Education 183. Independent Study in Physical Education**

Individualized program open to students who have medical reasons for deferment which preclude their participation, or to students who are unable to participate in the regular curriculum. Prerequisite: Consent of head of division. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

**Physical Education 230. Coaching (EE)**

Coaching a minimum of three high school or elementary school sessions per week for the duration of the season. Attend all games. Students required to keep a training diary of coaching plans, performance evaluations, and weekly targets. Prerequisite: Consent of head coach and head of division. Course may be repeated for credit.

3 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

---

**Philosophy****Philosophy 101. Critical Thinking**

Development of students' reasoning skills through analysis and evaluation of arguments. Diagramming arguments, identifying mistakes in reasoning, and writing arguments. Emphasis on issues encountered in everyday experience and in courses across the curriculum, primarily through classical deductive logic.

3 Credits. Fall. S.D. Cole

**Philosophy 102. Introduction to Philosophy (W'view)**

Survey of some major philosophers and theories in metaphysics, epistemology, and the philosophy of religion.

3 Credits. Winter. D.A. Synnstedt

**Philosophy 310. Topics in Contemporary Philosophy I**

Exploration of themes and problems in contemporary philosophy. Readings from analytic, continental, postmodern, or neo-pragmatist philosophers in areas such as the philosophy of ethics, politics, language, mind, law, science, religion, or other sub-fields. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102.

3 Credits. Fall. D.A. Synnstedt

---

**Political Science****Political Science 298, 398, 498. Political Science Internship**

Requirements variable. Proposals should be submitted to the Head of the History/Social Science Division. Political Science internships are open to students in sophomore year or above who have completed at least two political science courses.

Credits variable. By arrangement. Staff

**Political Science 312. International Relations**

Examination of historical and theoretical foundations for thinking about international relations through a consideration of the wide range of international themes and events and their connections. Topics include: war, trade, globalization, international law, intervention, nuclear proliferation, and terrorism. Prerequisite: Political Science 101, History 117, or permission of instructor.

3 Credits. Fall. D.G. Rose

**Psychology****Psychology 101. Introductory Psychology**

Introduction to basic constructs of psychology including scientific methodology, the brain, consciousness, memory, identity, learning, motivation, intelligence, and the nature of mental illness. Relevant New Church doctrines analyzed and compared to secular theories of psychology.

3 Credits. Fall, Winter, Spring. Staff

**Psychology 203. Personality Theory**

Examination of both classical and current theories of personality. Focus on understanding terms and concepts of personality as well as their application to situational contexts. (Students who have taken Psychology 103 may not take Psychology 203 for credit.) Prerequisite: Psychology 101 or permission of instructor.

3 Credits. Fall. E. van Zyverden

**Psychology 298. Psychology Internship**

Proposals must be approved by a psychology professor. Psychology internships are open to students in sophomore year or above who have completed two psychology courses. Requirements are available from director of internships.

Credit variable. By arrangement. Staff

**Religion****Religion 101. Introduction to New Church Doctrines (Doctrinal)**

Foundation course. Basic survey of the doctrines of the New Church. Presupposes little or no formal background in the study of the doctrines.

3 Credits. Fall, Spring. R.J. Silverman, T.P. Glenn

**Religion 105. God, Man, and Creation (Doctrinal)**

Study of how the Lord created the spiritual and natural worlds, with emphasis on humans as the purpose of creation. Vital relationships between the Creator and His creation, with the special role played by humans. Focus on teaching about order, influx, degrees, forms of use, and correspondence. Form and operation of spiritual thinking. Text: *Divine Love and Wisdom*.

3 Credits. Fall. R.J. Silverman

**Religion 110. Systematic Theology (Doctrinal)**

A comprehensive overview of New Church doctrine and a comparison with the doctrine of other Christian denominations. Emphasis on core principles such as faith, charity, forgiveness, repentance, regeneration, the Word, the Lord, and the life after death. Presupposes a moderate familiarity with New Church teachings.

3 Credits. Fall. S.I. Frazier

**Religion 210. Divine Providence and Human Prudence (Doctrinal)**

The laws and fundamental principles by which the Lord governs creation. How the Lord removes evil from people while preserving their freedom. How the Lord brings good out of evil. Eternal life as the goal of providence. How providence uses natural conditions to serve this end. Why providence operates in secret. Text: *Divine Providence*.

3 Credits. Fall. K.H. Asplundh

**Religion 220. The Torah (Scriptural)**

Intensive study of Genesis to Deuteronomy in their historical and cultural context. Discussion of translations, certain critical theories, and other related ideas. Treatment of the literal meaning in relation to its higher meanings and other doctrinal considerations. The history of the canon of the Old and New Testaments.

3 Credits. Fall. S.I. Frazier

**Religion 273. Religion and Marriage (W in Winter Term, Doctrinal)**

New Church doctrine concerning marriage and preparation for marriage. The nature of man and woman, and their spiritual fulfillment in the married relationship. Children and their place in marriage. Responding to states of discord, coldness, and other problems in marriage. Adultery and other sexual disorders. Consideration of romantic passion, physical relations, birth control, repeated marriages, non-monogamous lifestyles, homosexuality. Text: *Conjugal Love*.

3 Credits. Fall, Winter. K.H. Asplundh, R.J. Silverman

**Religion 298, 398, 498. Religion Internship (EE, Application)**

Proposals must be approved by the head of division. Course may be repeated for credit.

Credit variable. By arrangement. Staff

**Religion 310. Studies in Arcana Coelestia (W, Doctrinal)**

Introduction to the celestial, spiritual, and spiritual-historical meanings of the Word. The ancient churches. The representation of Abraham, Isaac, and Jacob. The Exodus. The course aims for a general knowledge of this first of the published works of the Doctrines of the New Church and includes selected readings of approximately 500 pages.

3 Credits. Fall. T.P. Glenn

**Religion 335. The Human Mind (W, Doctrinal)**

Study of what the doctrines of the New Church teach about the structure and function of the human mind and how it relates to the brain. The discrete degrees of the mind. The faculties of will and understanding, their relationship and interplay.

3 Credits. Fall. Staff

**Religion 490. Religion Senior Project I**

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. By arrangement. Staff

**Religion 491. Religion Senior Project II**

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. By arrangement. Staff

**Social Science****Social Science/History 290. Social Movements**

Comparative exploration of the development of Christianity in the Roman World (40 A.D. to 350 A.D.) to the development of New Christianity in Western Europe and America (1757-present). The history of these two movements will be used to understand the sociological factors that contributed to their development.

3 Credits. Fall. J.K. Williams-Hogan

**Spanish****Spanish 201. Intermediate Spanish I**

The Spanish program is based on the four term video/textbook series *Destinos*. Students who have taken Spanish previously will take a placement test to determine the appropriate course level. Middle terms of *Destinos*. Spanish is the language of instruction.

3 Credits. Fall. M.M. Walker

## Speech

---

### Speech 105. Public Speaking (PP)

Exposure to a variety of speaking situations designed to address inhibitions and develop self-confidence. Class work features impromptu and prepared speeches, as well as oral interpretation of literature and choral speaking. Work on voice and speech improvement as well as command of body language.

3 Credits. Fall, Spring. S.V. Bernhardt

## Theater

---

### Theater 110. Introduction to Performance Arts

Study and practice of elementary acting, movement, and voice skills. Students examine verbal and nonverbal communication in solo and group performance, along with scene and script analysis. Improvisation and work on studied pieces, leading to a final performance. Study of the history and philosophy of performance styles from the ancient Greeks to the Elizabethans and modern theorists (Stanislavski, Artaud, Brecht, et. al.). Enrollment limited.

3 Credits. Fall. S.V. Bernhardt

### Theater 120. Set Design and Production. (EEC)

Hands-on introduction to scene design and production. Overview of the history of scene design with emphasis on the process of creating a set from designer drawings and elevations. Research, sketching, drafting, model building, color application, and actual set construction within a budget. Students required to understand and use all of the equipment in the theater as it pertains to the design. Work with the play's director using the Mitchell Performing Arts Center as the classroom. Final project is the set for the College play. Course may be repeated for credit.

3 Credits. Fall. N. Haus-Roth

## Writing

---

### Writing 101. Expository Writing. (W)

Development of skills in recognizing, evaluating, and writing about ideas drawn from readings in a variety of disciplines. Five to seven analytic essays. Emphases on rhetorical argument, revision strategies, and information literacy. Formal instruction about research skills (locating and evaluating secondary sources, and integrating, citing, and documenting these sources). Articulation, development, and support of thesis. Required of first year students. Non-native speakers of English take Writing 101 sophomore year.

3 Credits. Fall, Winter, Spring. R.S. Cooper, T.P. Glenn, A. Rogers-Petro

## Winter Term 2009-2010

### Biology

---

#### Biology 230. Genetics

Study of the process of heredity at a more advanced level than Biology 120. A problem-solving, seminar-oriented course integrating principles of evolution, classical Mendelian genetics, and the molecular biology of the gene. Prerequisite: Biology 120, or Biology 115.

3 Credits. Winter. A.F. Bryntesson

#### Biology 235. Ecology

Study of the physical, chemical, and biological processes that determine the distribution and abundance of plants and animals. Energy flow, food webs, adaptation of species, population dynamics, species interactions, nutrient cycling, and ecological succession. Prerequisite: Biology 120.

3 Credits. Winter. S.L. Cooper

#### Biology 298, 398. Biology Internship (EE)

Credit and requirements variable. Proposals must be approved by head of major. Students may apply for Biology 298 after one year and at least two 200- or 300-level biology courses, and for Biology 398 after two years of study and at least three 200- or 300-level biology courses and Chemistry 110/111. Course may be repeated for credit. Internships at other institutions must be applied for and arranged by the student.

Credit variable. By arrangement. Staff

#### Biology 340. Marine (and estuarine) Ecology

Factors that influence the distribution, abundance, and diversity of marine organisms. Topics include physical characteristics of marine and coastal habitats, larval recruitment, and community interactions. Habitats include rocky shore, tidal flats, beaches, mangrove, subtidal areas, estuaries, and coral reefs. Prerequisite: Biology 235 (Ecology) and Chemistry 110.

3 Credits. Winter. S.L. Cooper

#### Biology 491. Biology Seminar II

Review of current ethical issues in science. Integrity in biological research and publication. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.

1 Credit. Winter. S.L. Cooper

#### Biology 495. Senior Project

Independent research project or scholarly study under the supervision of a faculty member. Topic chosen by mutual agreement between student and supervisor. Limited to and required of biology majors. Senior project proposals are required in spring of junior year.

3 Credits. Staff

### Business

---

#### Business 242. Accounting II

Interpretation of financial statements and the use of accounting information as a tool for making business management decisions. Use of computer spreadsheets emphasized. Prerequisite: Business 241.

3 Credits. Winter. Staff

#### Business 254. Principles of Marketing

Focus on customer behavior, promotion, channels of distribution, product, and pricing, with emphasis on formulating marketing plans and strategies in a global and culturally diverse environment.

3 Credits. Winter. W.C. Childs

#### Business 298, 398, 498. Business Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### Chemistry

---

#### Chemistry 110. General Chemistry I

First year chemistry course for science majors. Topics include atomic structure, quantum mechanics, electron configuration, chemical bonding, molecular geometry, the periodic table, classifications of matter, stoichiometry, reactions in solution, gases, and thermochemistry. First half of sequence with Chemistry 111. Prerequisite: One year of high school chemistry or Earth Science 110. Laboratory included.

4 Credits. Winter. A.J. Bedford

#### Chemistry 211. Organic Chemistry II

Continuation of Chemistry 210. Topics include spectrophotometric identification of organic compounds, arenes, esters, epoxides, aldehydes and ketones, carboxylic acids and acid derivatives, and condensation reactions. Emphasis on biological applications of organic chemistry. Laboratory includes synthetic techniques and computational chemistry. Prerequisite: Chemistry 210. Laboratory included.

4 Credits. Winter. A.J. Bedford

### Computer Science

---

#### Computer Science 180. Structured Programming (QR)

Language elements and applications. Algorithm development. Introduction to data structures. Prerequisite: Some experience with programming or permission of instructor.

3 Credits. Winter. N. Simonetti

### Economics

---

#### Economics 132. Microeconomics

Study of the fundamentals of economic analysis with particular emphasis upon consumer demand behavior and the output and pricing decisions of business firms under various market structures. Introduction to international economic theory. Group projects.

3 Credits. Winter. Staff

### Education

---

#### \*Education 128. Introduction to the Theory and Practice of Education

Aspects of a career in teaching are explored within the context of New Church and secular education philosophy. Topics include teaching as a profession, the diverse needs and abilities of students at various developmental stages, the design and application of instructional practices, history of education, and organizational structures. Brief observation and optional practice teaching in an elementary or secondary classroom. Prerequisite for many education courses.

3 Credits. Winter. K.R. Alden

#### Psychology/Education 204. Human Development: Childhood and Adolescence

Study of human development, focusing on the most significant changes that occur between the ages of 5 and 18. Topics include theories of physical-motor, cognitive, language, creative, social, emotional, moral and spiritual development.

3 Credits. Winter. S.S. Werner

### \*Education 240. Assessment Based Reading Instruction for Diverse Learners

Application of techniques acquired in previous course work as well as mastery of assessment theory in practice. Exploration of material in the Writings bearing on the validity of assessment and individual differences in performance among students. Formal, informal, and portfolio assessment methodology presented to assist pre-service teachers in constructive evaluation. Exploration and selection of instruction methods and material congruent with the assessment findings. Case studies and current experience integrated throughout the course. Prerequisite: Education 128, Education 235. Psychology 101 recommended.

3 Credits. Winter. Staff

### Education/Physical Education 253. Physical Education for Diverse Learners

Theory and practice of teaching physical education, health, and dance to diverse learners (K-8). Focus on planning developmentally-appropriate and fun movement experiences that enable students to learn through movement. Instruction strategies, management and motivation of students, and a short practicum of a total of four classes observing, assisting, and teaching at the Bryn Athyn Church School.

3 (academic) Credits. Winter. H.J. Bryntesson

### Education 298, 398, 498. Education Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### \*Education 325. Field Experience in a Multi-graded Classroom

30 hours of observation and teaching in a New Church school with multi-graded classrooms. Interactive journal required. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### \*Education 326. Field Experience in Differentiated Learning in Secondary Education

30 hours of observation and teaching in a New Church secondary school using the principles of differentiated learning. Interactive journal and some required reading. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### \*Education 354. Student-Centered Approach to Social Science Instruction

Study of philosophies, methods, and materials and technologies for teaching social studies, including use of museum resources. Preparation and teaching of a unit in an elementary school classroom with formal observation and evaluation. Prerequisite: For non-majors Education 128 or permission of instructor.

3 Credits. Winter. N.G. Phillips

### \*Education 355. Student-Centered Approach to Elementary Science Instruction

Overview of New Church elementary school science curriculum (K-8) focusing on earth, life, physical sciences, and practical applications in teaching. Emphasis on scientific processes, planning, classroom strategies and techniques, hands-on activities, peer teaching, and multiple use of materials and technology to facilitate learning in both classroom and laboratory. Includes classroom observation. Prerequisite: Education 128.

3 Credits. Winter. K.A. Harantschuk

### \*Education 402. Student Teaching (EE)

For students not pursuing Pennsylvania State Certification. Taken in conjunction with Education 404 in lieu of HFC-EDUN 402 and 404. Includes at least 11 weeks of combined observation

and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Education Division and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.

3-12 Credits. Fall, Winter, Spring. K.R. Alden

### Education 404. Senior Seminar

Meets once a week while students do senior teaching. Taken in conjunction with Education 402. Requirements include: creating a professional teaching portfolio, reflective documentation of the senior teaching experience, research project, creation of a full unit which the student teacher will teach during their senior teaching. Offered when required. Open only to seniors in the education major.

3 Credits. Fall, Winter, Spring.

## Experiential Education

### Experiential Education 100. Service Trip (EE)

College sponsored trip. Minimum of four days on location in a college-prescribed service. Students submit learning plan to the director of experiential education prior to the trip and a reflection component upon completion. Special and often substantial charge to defray expenses may be necessary for enrollment. Pass/Fail. Course may be repeated for credit.

1 (non-academic) Credit. By arrangement. Staff

### Experiential Education 197. Service Learning Project (EE)

Service learning project requiring 60-70 hours/credit of involvement devoted wholly to service. The course includes a learning plan and reflection component, which are outlined in the syllabus. See Experiential Education section for policies governing service learning projects.

0.5-1.5 (non-academic) Credits. By arrangement. Staff

### Experiential Education 198. Internship (EE)

Proposals must be approved by the director of experiential education. See Experiential Education section for policies governing internships. Course may be repeated for academic credit.

Credit variable. By arrangement. Staff

## English

### English 215. Great Books I. Classical Literature

Study (in English) of selected texts from the Greeks and Romans, including works by such authors as Homer, Hesiod, the Greek dramatists, Virgil, and Ovid. Emphasis given to the themes of Classical mythology.

3 Credits. Winter. W.E. Closterman

### English 221. English Literature Survey II

Chronological overview of the development of English literature in England from the late 17th century through the early 20th century. Lecture, discussion, guest speakers, student reports or projects, research paper on a chosen period or author. Continuation of English 220; English 220 not prerequisite.

3 Credits. Winter. K. King

### English 298, 398, 498. English Internship (EE)

Proposals must be approved by the head of major. Prerequisite: 2 courses in English above the 100-level. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### English 315. Modern American Poets (W)

In-depth study of American poets of the twentieth century, including Robert Frost, Wallace Stevens, Ezra Pound, Langston Hughes, and Sylvia Plath, reflecting the range and variety of expression in modern American culture. Prerequisite: Any 200-level English course.

3 Credits. Winter. A. Rogers-Petro

**English 490. English Major Writing Project.**

Writing project for the writing track of the English major. Independent work in criticism, fiction, or poetry, guided by an advisor. Involves student over a two-term period of the senior year.

3 Credits. Fall, Winter, Spring. K. King

**English 491. English Major Writing Project**

Completion of the senior writing project.

3 Credits. Fall, Winter, Spring. K. King

**Earth Science****Earth Science 110. Introduction to Physical Geology and Meteorology**

Introduction to mineralogy; igneous, sedimentary, and metamorphic petrology; and structural geology. The evolution of continents. The atmosphere and atmospheric motion. Laboratory included.

4 Credits. Winter. E.R. Potapov

**Fine Arts****Fine Arts 102. Renaissance and Baroque Art (IL)**

Introductory survey of the architecture, sculpture, and painting covering Renaissance, Reformation, and Counter-Reformation art. Includes artists such as Vermeer, Rembrandt, Michelangelo, da Vinci, Bernini, Caravaggio, and others. Trip to Metropolitan Museum of Art in New York.

3 Credits. Winter. M. Gyllenhaal

**\*Fine Arts 120. Metal Work I**

Introduction to basic techniques in metal working including sawing, piercing, embossing, raising a bowl, cold joining, and soldering.

3 Credits. Fall, Winter. M. Gyllenhaal

**\*Fine Arts 125. Photography**

Introduction to the use of various cameras, darkroom techniques, alternative processing, and basic design.

3 Credits. Winter. C.S. Orthwein

**Fine Arts 202. Renaissance and Baroque Art (IL)**

Continuation of Fine Arts 102. Introductory survey of the architecture, sculpture, and painting covering Renaissance, Reformation, and Counter-Reformation art. Includes artists such as Vermeer, Rembrandt, Michelangelo, da Vinci, Bernini, Caravaggio, and others. Trip to Metropolitan Museum of Art in New York.

3 Credits. Winter. M. Gyllenhaal

**Fine Arts 212. Medieval Art**

Using one of the finest collections of medieval art in the world (Glencairn Museum) this course surveys the art of Medieval Europe, particularly that of France, focusing on the evolution of sacred imagery, and how it effects and shapes the attitudes of the period. Highlights include: Early Christian sculpture, Celtic manuscripts, Romanesque sculpture, and Gothic cathedrals. Students solve problems posed by some of Glencairn's pieces and develop a research topic related to a piece of their choice.

3 Credits. Winter. M. Gyllenhaal

**\*Fine Arts 220. Metal Work II**

Advanced projects using the skills covered in Fine Arts 120 with introduction to techniques such as the setting of gemstones and use of exotic woods.

3 Credits. Fall, Winter. M. Gyllenhaal

**French****French 201. Intermediate French I**

The French program is based on the four term video/textbook series French in Action. Students who have taken French previously will take a placement test to determine the appropriate course level. Middle terms of French in Action. French is the language of instruction.

3 Credits. Winter. E.E. Kim

**Greek****Greek 110. Beginning New Testament Greek I**

Introduction to the language of the New Testament. A study of the basic forms and syntax of Greek grammar.

3 Credits. Winter. W.E. Closterman

**History****History 115. The Medieval World**

Historical survey of medieval Europe from the fall of Rome through the fourteenth century. Consideration given to the contributions of this period to the history of western civilization. Particular focus on religion and the role of the church throughout the middle ages. Use of primary texts and Glencairn Museum's collections. Students participate in Glencairn's Medieval Sunday program.

3 Credits. Winter. B.D. Henderson

**History 230. United States History 1763-1877**

Examination of the historical development of American society from the eve of the American Revolution through the Civil War. Particular focus on political ideology, national identity, and societal values with special attention given to the events leading up to the Revolution, the political ideologies of the founding fathers, and the causes of the Civil War. Analysis of scholarly articles by leading historians in the field.

3 Credits. Winter. B.D. Henderson

**History 245. The Middle East**

Surveys political, social, and cultural developments in the greater Middle East from approximately 600 A.D. to the modern era. Focus on the advent of Islam and the waxing and waning of selected Islamic Empires. Concludes with a consideration of the effect of World War I on the region.

3 Credits. Winter D.G. Rose

**History 298, 398, 498. History Internship II (EE)**

Proposals must be approved by head of major. History internships are open to students in second year or above who have completed at least two history courses. Description of requirements available from head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

**History 315. Seminar on The Age of Enlightenment**

Exploration of the leading intellectual, sociocultural, and political developments in Europe between the end of the Wars of Religion and the French Revolution (1648 and 1789). Focus on the rise of the modern.

3 Credits. Winter. J.K. Williams-Hogan

**History 402. Senior Seminar**

Thematic or topical investigation with an emphasis on historical criticism and analysis. Capstone seminar integrating the history student's experiences in the discipline.

3 Credits. Winter. W.E. Closterman

**History 490. Senior Research Paper I**

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

**History 491. Senior Research Paper II**

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

**Interdisciplinary Studies****Interdisciplinary Studies 491. Senior Paper**

For seniors in the Interdisciplinary Major. Produce senior essay according to requirements, in cooperation with essay advisor. Prerequisite: Interdisciplinary 490.

3 Credits. Winter. S.S. Werner

**Latin****Latin 111. Beginning Latin II**

Continuation of Latin 110. Prerequisite: Latin 110.

3 Credits. Winter. S.J. Frazier

**Latin 250. Swedenborg's Theological Latin I**

Intensive review of Beginning Latin, followed by varied readings in the Writings. Various styles of writing distinguished (expository, philosophical, descriptive, narrative). Special attention to non-Classical constructions. Prerequisite: Latin 110 and 111.

3 Credits. Winter. S.J. Frazier

**Leadership****Leadership 100. Student Development: Theory and Practice (EE)**

All students who desire to contribute to others while exploring their leadership capacity are encouraged to enroll. Focus on developing leadership in an area of their choice, support skills, leadership theory, and managing inter-cultural challenges. Laboratory work involves active service in programs of their choice and will help participants understand and serve the needs of others. Prerequisite: 2.5 GPA or permission of instructor.

1 Credit. Winter. L. Nash

**Mathematics****Mathematics 100. Introduction to Quantitative Reasoning (QR)**

Introduction to mathematical concepts to improve basic skills in computation, algebra, graphing, and quantitative applications. This course prepares students for other mathematics courses and courses involving quantitative reasoning. Topics include logical fallacies, units of measure and currency, simple and compounding interest, and statistical reasoning.

3 Credits. Fall, Winter, Spring. A.F. Bryntesson, N. Simonetti

**Mathematics 120. Pre-calculus (QR)**

Course in college algebra designed to assist in the use of mathematics in science courses by reviewing the behavior of several families of simple and composite functions, and fitting these functions to data. Study of linear, exponential, power, logarithmic, polynomial, and rational functions. Includes quantitative reasoning applications. Because of duplication of subject matter, students may not receive credit for both Mathematics 115 and 120. Prerequisite: Mathematics 100 or appropriate score on placement test.

3 Credits. Winter. C.B. Bongers

**Mathematics 151. Calculus II**

Methods of integration, improper integrals, power series, Taylor polynomials, and parametric equations. Prerequisite: Mathematics 150.

4 Credits. Winter. N. Simonetti

**Mathematics 205. History of Mathematics**

The development of the major mathematical concepts from ancient times to the present, emphasizing topics in the standard undergraduate mathematics curriculum. Prerequisite: Any mathematics course numbered 140 or higher.

3 Credits. Winter. C.B. Bongers, N. Simonetti

**Music****Music 100. College Chorale**

Development and performance of choral repertoire from Renaissance to Modern. Instruction in the development of vocal techniques. Course may be repeated for credit.

1 (non-academic) Credit. Fall, Winter, Spring. C.W. Simons

**Music 114. Music Theory II**

Continuation of Music 113. Prerequisite: Music 113 or permission of instructor.

3 Credits. Winter. C.W. Simons

**Music 185. Private Music Lessons or Choirs (EE)**

Privately arranged music instruction. Instructor provides a written assessment of the student's progress at the end of the term. Private lessons are the financial responsibility of the student. Prerequisite: Consent of division. Course may be repeated for credit.

1 Credit. Fall, Winter, Spring. Staff

**Philosophy****Philosophy 102. Introduction to Philosophy (Worldview)**

Survey of some major philosophers and theories in metaphysics, epistemology, and the philosophy of religion.

3 Credits. Winter. D.A. Synnstedt

**Physical Education****Physical Education 120. Physical Fitness**

Student-designed individual program based on theoretical and practical fitness concepts. Workouts during class twice a week in the fitness center. Cardiovascular element required. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. M. Thomas

**\*Physical Education 123. Indoor Soccer**

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. E.Steiner

**\*Physical Education 124. Intercollegiate Badminton.**

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Prerequisite: Physical Education 130 or permission of the coach. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. A.I. Smith

**\*Physical Education 125. Men's Intercollegiate Ice Hockey**

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. L. Wheatley

**Physical Education 133. Yoga/T'ai Chi Ch'uan**

Introduction to Yoga (5 weeks) and T'ai Chi (5 weeks). Fitness for the whole person. Power Yoga (ashtanga) emphasizes balance, breathing, focus, strength and flexibility, and connection between body and spirit. T'ai Chi emphasizes balance, posture, visual and mental concentration, breath control, and complete relaxation. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. M. Synnstedt, K.F. Kearns

**Physical Education 183. Independent Study in Physical Education**

Individualized program open to students who have medical reasons for deferment which preclude their participation, or to students who are unable to participate in the regular curriculum. Prerequisite: Consent of head of division. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

**Physical Education 222. Hip-Hop Dance**

Intermediate/Advanced course in jazz with an emphasis on hip-hop. Students learn advanced technique and develop creativity, flexibility, coordination, and rhythm while dancing to popular music with a positive message. Student choreography projects and a public performance. Prerequisite: Physical Education 121. Course may be repeated for credit.

1.5 (non-academic) Credits. Winter. J. Bostock

**Physical Education 230. Coaching (EE)**

Coaching a minimum of three high school or elementary school sessions per week for the duration of the season. Attend all games. Students required to keep a training diary of coaching plans, performance evaluations, and weekly targets. Prerequisite: Consent of head coach and head of division. Course may be repeated for credit.

3 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

---

**Political Science****Political Science 101. Introduction to Politics and Governance (Civil)**

Examines the discipline of political science and the concepts involved in the study of politics and governance. Surveys the role and function of political institutions and organizations through the lens of contemporary issues. Focus on the potential for thinking about civic and political issues from a religiously-informed perspective.

3 Credits. Winter. D.G. Rose

**Political Science 298, 398, 498. Political Science Internship**

Requirements variable. Proposals should be submitted to the Head of the History/Social Science Division. Political Science internships are open to students in sophomore year or above who have completed at least two political science courses.

Credits variable. By arrangement. Staff

---

**Psychology****Psychology 298. Psychology Internship**

Proposals must be approved by a psychology professor. Psychology internships are open to students in sophomore year or above who have completed two psychology courses. Requirements are available from director of internships.

Credit variable. By arrangement. Staff

**Psychology 341. Human Development: Adult Altruism (EE, Moral)**

Exploration of historical and contemporary psychological theories about moral development, character strengths, altruism, optimism, flourishing, flow, generosity and spiritual maturity. Major emphasis on the states of adults over 18 years of age. Examination of New Church doctrinal principles regarding adult human development: regeneration, opening of the rational mind, developing a new will, acquiring wisdom, and leading a life of useful service to the neighbor. Prerequisite: 3 courses in Psychology. Laboratory included.

4 Credits. Winter. S.S. Werner

---

**Religion****Religion 102. Introduction to New Church Doctrines (Doctrinal)**

Continuation of Religion 101, with special emphasis on the doctrines of the New Church as they relate to marriage, the reading of the Word, and a life of useful service. Religion 101 is not a prerequisite.

3 Credits. Winter. R.J. Silverman

**Religion 123. Introduction to the Old and New Testaments (Scriptural)**

Introduction to the various parts of the Bible, the history of the Israelites and Jews, the geography of Palestine, the different methods of biblical interpretation, and the major themes in scripture. Emphasis on New Church views.

3 Credits. Winter. S.D. Cole

**Religion 172. Perspectives on the Decalogue (Application)**

Study of the Ten Commandments as they appear in the religious writings of Hinduism, Buddhism, Judaism, Christianity, Islam, and other world faiths. Study of the literal and spiritual level of each commandment using selected texts from sacred and secular sources. Students encouraged to draw connections between the various levels of the commandments and their own lives.

3 Credits. Winter. R.J. Silverman

**Religion 270. New Church Religious Practices**

Both doctrinal study and practical application of teachings relating to New Church religious practices, using the Old and New Testaments and the theological Writings of Emanuel Swedenborg as source material. Special focuses on daily reading of the Word and prayer, on private and public worship, on the steps of repentance, and on the use and importance of the Holy Supper.

3 Credits. Winter. T.P. Glenn

**Religion 273. Religion and Marriage (W in Winter Term, Doctrinal)**

New Church doctrine concerning marriage and preparation for marriage. The nature of man and woman, and their spiritual fulfillment in the married relationship. Children and their place in marriage. Responding to states of discord, coldness, and other problems in marriage. Adultery and other sexual disorders. Consideration of romantic passion, physical relations, birth control, repeated marriages, non-monogamous lifestyles, homosexuality. Text: Conjugal Love.

3 Credits. Fall, Winter. K.H. Asplundh, R.J. Silverman

### Religion 283. Pre-Christian Church History (Comparative)

Survey of the history of pre-Christian religions emphasizing the rise, development, and fall of religions from ancient times to Biblical Israel. Topics include the character of revelation and the response to it in each successive religion, the origin of mankind, the origin of evil, and the rise of monogamy and polygamy, of monotheism and polytheism, and of idolatry in the ancient world.

3 Credits. Winter. S.D. Cole

### Religion 298, 398, 498. Religion Internship (EE, Application)

Proposals must be approved by the head of division. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### Religion 490. Religion Senior Project I

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. Staff

### Religion 491. Religion Senior Project II

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. Staff

## Spanish

---

### Spanish 202. Intermediate Spanish II

The Spanish program is based on the four term video/textbook series *Destinos*. Students who have taken Spanish previously will take a placement test to determine the appropriate course level. Completion of *Destinos*. Spanish is the language of instruction.

3 Credits. Winter. M.M. Walker

## Theater

---

### Theater 150. Dramatic Performance (EEC)

Students involved in the casts or technical aspects of certain dramatic productions may sign up for this course. Exposure to a variety of acting techniques, including the specialized work needed for productions that might range from Shakespeare's plays, to foreign plays in translation, to musicals. Script analysis, oral interpretation of character, performance movement, dance, and vocal techniques. Variable credit based on the student's involvement. 5-12 hours weekly in rehearsals/classes leading to a finished production. Course may be repeated for credit.

1-3 Credits. Winter. S.V. Bernhardt

## Writing

---

### Writing 101. Expository Writing (W)

Development of skills in recognizing, evaluating, and writing about ideas drawn from readings in a variety of disciplines. Five to seven analytic essays. Emphases on rhetorical argument, revision strategies, and information literacy. Formal instruction about research skills (locating and evaluating secondary sources, and integrating, citing, and documenting these sources). Articulation, development, and support of thesis. Required of first year students. Non-native speakers of English take Writing 101 sophomore year.

3 Credits. Fall, Winter, Spring. R.S. Cooper, T.P. Glenn, A. Rogers-Petro

### Writing 202. Writing About Literature (W) (IL)

Analytic study of literary genres, with emphases on writing and research skills. Assumes basic skills in writing and information literacy covered in Writing 101. Three papers, including substantial revision. One longer paper requires 2+ secondary sources and student evaluation of sources and research process. Individual conferences with instructor to discuss student's writing, research, and implementation of secondary sources. Required of sophomores. Prerequisite: Writing 101. Students who complete Writing 101 (or its equivalent) and Writing 202 satisfy an IL component for the Core Program.

3 Credits. Winter, Spring. R.S. Cooper, K. King

# Spring Term 2010

## Anthropology

---

### Anthropology/History 211. Artifacts, Archaeology, and Museums (W)

Introduction to the theories and methods used to interpret how objects provide evidence for history and express a culture's values, ideas, and attitudes. Includes examination of archaeological method and ethics and the use of objects in a museum setting. Hands-on projects and visits to local museums and historical sites.

3 Credits. Spring. W.E. Closterman

## Biology

---

### Biology 110. Environmental Science (QR)

Geared for non-majors. Includes basic biological and chemical principles as well as concepts from ecology, earth science, and conservation biology. Discussion of the impact of industrial society on the quality of our environment (land, air, water, and natural ecosystems). Laboratory included.

4 Credits. Spring. S.L. Cooper

### Biology 125. Introductory Ornithology

Introduction to classical ornithology with elements of comparative anatomy. Course topics include physiology, development, behavior, and ecology. Laboratory exercises include fundamentals of bird anatomy, comparative anatomy, identification of local birds, and introduction of fundamental field techniques, especially those related to biodiversity surveys and experimental studies. Laboratory included.

4 Credits. Spring. E.R. Potapov

### Biology 298, 398. Biology Internship (EE)

Credit and requirements variable. Proposals must be approved by head of major. Students may apply for Biology 298 after one year and at least two 200- or 300-level biology courses, and for Biology 398 after two years of study and at least three 200- or 300-level biology courses and Chemistry 110/111. Course may be repeated for credit. Internships at other institutions must be applied for and arranged by the student.

Credit variable. By arrangement. Staff

### Biology/Chemistry 315. Principles of Biochemistry

Protein structure, dynamics, folding, and methods of purification and analysis. Methods of enzymology and a review of representative enzyme mechanisms. Membrane structure and function and the operation of membrane proteins in the electron transport chain and oxidative phosphorylation. A special topic of protein science explored in student projects. Prerequisite: Biology 232 and Chemistry 210.

3 Credits. Spring. A.J. Bedford

### Biology 373. Biological Laboratory Techniques: Molecular Biology

Junior level biology laboratory course supporting Biology 230, 232, 310, 315, and 355. A mixture of theoretical and practical experience in techniques used in molecular biology, including PCR and cell-based cloning, nucleic acid hybridization, genomic structure analysis, proteomics, bioinformatics, protein expression and analysis, and culturing and identifying microbiological organisms. Laboratory reports and scientific writing skills integral. Co-requisite or Prerequisite: Biology 230 and Biology 232.

2 Credits. Spring. A.F. Bryntesson

### Biology 492. Biology Seminar III

Public presentation of undergraduate biological research. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.

1 Credit. Spring. E.R. Potapov

### Biology 495. Senior Project

Independent research project or scholarly study under the supervision of a faculty member. Topic chosen by mutual agreement between student and supervisor. Limited to and required of biology majors. Senior project proposals are required in Spring of junior year.

3 Credits. Staff

## Business

---

### Business 298, 398, 498. Business Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### Business 301. Business Ethics

Analysis of moral principles and their application to decision making in business. Includes an overview of philosophical and theological ethical theories, including New Church ethics. Major focus on the analysis of ethical concerns in actual case studies from business, involving issues such as down-sizing, whistle-blowing, competition vs. cooperation, and social responsibility.

3 Credits. Spring. W.C. Childs

### Business 320. Financial Management

Introduction to business finance, role of the chief financial officer, and financial tools used by management. Emphasis on management of revenue and expenses, application of basic financial concepts to the solution of organizational problems, analysis of the short- and long-term financial needs of an organization, and selection of most feasible course of action to secure best possible financial outcome and allocation of resources. Topics of present value, stock and bond valuation, capital budgeting, financial forecasting, and capital structures also examined. Prerequisite: Economics 131 and Economics 132.

3 Credits. Staff

## Chemistry

---

### Chemistry 111. General Chemistry II (QR)

Continuation of Chemistry 110. Topics include intermolecular forces, physical properties of solutions, chemical kinetics, chemical equilibrium, acids and bases, solubility, thermodynamics, and electrochemistry. Prerequisite: Chemistry 110. Laboratory included.

4 Credits. Spring. A.J. Bedford

## Computer Science

---

### Computer Science 160. World Wide Web Development

Introduction to the elements of web site design. The course includes technical aspects of web creation and design considerations for information delivery and usability. Prerequisite: Computer Science 105 or familiarity with computers.

3 Credits. Spring. G.F. Bongers

### Computer Science 220. Introduction to Data Structures

Stacks, Queues, Linked Lists, Trees, Heaps, Sorting, Searching, Complexity, Dynamic programming. Prerequisite: Computer Science 180.

3 Credits. Spring. N. Simonetti

## Education

---

### \*Education 225. Seminar in Observation and Teaching

17 hours of observation, teaching of 3-5 single lessons, completion of interactive journal and eight seminars based on Beginning with the Brain. Students must have enough open times in their schedule to complete the observation requirements. Prerequisite: Education 128.

2 Credits. Spring. N.G. Phillips

### Education 252. Music Education

Preparation for the elementary school teacher as a music leader in the classroom and as an assistant to the music specialist. Includes curriculum guidelines; basic music and note reading skills; sight-singing; simple accompanying skills on piano and guitar; teaching of singing techniques; the use of the recorder, autoharp, xylophones, and percussion instruments; the contributions of Gordon, Orff, Kodaly, Dalcrose and Suzuki to classroom music. Alternates with Education 251.

3 Credits. Spring. C.W. Simons

### Education 298, 398, 498. Education Internship (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### Education 301. Foundations of Education

Study of the influence of cultural, philosophical, political, and social changes on the development of education. Emphasis on issues in United States schools today and on potential future developments. Prerequisite: for non-majors Education 128 and permission of the instructor. Permission of instructor for students not in 3rd year or higher.

3 Credits. Spring. N.G. Phillips

### \*Education 311. Special Education

Background in the complex nature of students with special needs. Examination of issues and trends in special education and characteristics of persons with disabilities. Issues and theories relating to special education explored from both secular research and New Church doctrine. Planning and adapting to needs and abilities of these students in the inclusive classroom. Some classroom observation required. (For certification in special education, a reading/research component will be required for an additional credit.)

3 Credits. Spring. B.R. Rydstrom

### \*Education 321. Methods for Teaching Language Arts to Diverse Learners (FE)

Study of language development and literacy skills needed for elementary school students to construct meaning through reading, writing, listening, and speaking. Education 235 and Education 240 highly recommended. Prerequisite: Education 128 or permission of instructor.

3 Credits. Spring. K.R. Alden

### \*Education 325. Field Experience in a Multi-graded Classroom

30 hours of observation and teaching in a New Church school with multi-graded classrooms. Interactive journal required. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### \*Education 326. Field Experience in Differentiated Learning in Secondary Education

30 hours of observation and teaching in a New Church secondary school using the principles of differentiated learning. Interactive journal and some required reading. To be taken before the end of third year.

1 Credit. Fall, Winter, Spring. N.G. Phillips

### \*Education 402. Student Teaching (EE)

For students not pursuing Pennsylvania State Certification. Taken in conjunction with Education 404 in lieu of HFC-EDUN 402 and 404. Includes at least 11 weeks of combined observation and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Education Division and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.

3-12 Credits. Fall, Winter, Spring. K.R. Alden

### Education 404. Senior Seminar

Meets once a week while students do senior teaching. Taken in conjunction with Education 402. Requirements include: creating a professional teaching portfolio, reflective documentation of the senior teaching experience, research project, creation of a full unit which the student teacher will teach during their senior teaching. Offered when required. Open only to seniors in the education major.

3 Credits. Fall, Winter, Spring.

## Experiential Education

---

### Experiential Education 100. Service Trip (EE)

College sponsored trip. Minimum of four days on location in a college-prescribed service. Students submit learning plan to the director of experiential education prior to the trip and a reflection component upon completion. Special and often substantial charge to defray expenses may be necessary for enrollment. Pass/Fail. Course may be repeated for credit.

1 (non-academic) Credit. By arrangement. Staff

### Experiential Education 197. Service Learning Project (EE)

Service learning project requiring 60-70 hours/credit of involvement devoted wholly to service. The course includes a learning plan and reflection component, which are outlined in the syllabus. See Experiential Education section for policies governing service learning projects.

0.5-1.5 (non-academic) Credits. By arrangement. Staff

### Experiential Education 198. Internship (EE)

Proposals must be approved by the director of experiential education. See Experiential Education section for policies governing internships. Course may be repeated for academic credit.

Credit variable. By arrangement. Staff

## English

---

### English 216. Great Books II. Renaissance and Neoclassical Literature of Western Culture

Study (in English) of selected texts from the Renaissance and the Enlightenment, including works by Cervantes, Shakespeare, Moliere, Milton, Voltaire, Goethe, and others. Lecture/discussion.

3 Credits. Spring. R.S. Cooper

### English 298, 398, 498. English Internship (EE)

Proposals must be approved by the head of major. Prerequisite: 2 courses in English above the 100-level. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### English 370. Twentieth Century Authors (after 1950)

Major British and American authors, and others, writing in the post-World War II era. Focus on the novel. Includes such authors as Steinbeck, Maclean, Morrison, and O'Brien. Prerequisite: any 200-level English course.

3 Credits. Spring. K. King

## English 490. English Major Writing Project

Writing project for the writing track of the English major. Independent work in criticism, fiction, or poetry, guided by an advisor. Involves student over a two-term period of the senior year.

3 Credits. Fall, Winter, Spring. K. King

## English 491. English Major Writing Project

Completion of the senior writing project.

3 Credits. Fall, Winter, Spring. K. King

## Fine Arts

### \*Fine Arts 130. Ceramics

Introduction to clay work including hand building, wheel throwing, slip casting, glazing, and firing processes. Also form function and representation.

3 Credits. Spring. C.S. Orthwein

### \*Fine Arts 140. Drawing and Painting

Introduction to basic techniques in drawing and painting. Oil painting project. Discussion of the development of the history of painting.

3 Credits. Fall, Spring. M. Gyllenhaal

### Fine Arts/History 208. The Art and Culture of Ancient Egypt

Examination of ancient Egyptian culture as revealed through art and archaeology. Special attention given to art as a source of historical information. Topics include the influence of natural resources and the environment, principles of artistic representation, problems with interpreting evidence, the origin and nature of Egyptian hieroglyphic writing, and the Egyptian world view. Trip to the Metropolitan Museum of Art in New York.

3 Credits. Spring. C.E. Gyllenhaal

### Fine Arts 210. Nineteenth and Twentieth Centuries (IL)

Examination of the architecture, sculpture, and painting of the late eighteenth, nineteenth, and twentieth centuries in Europe, England, and America. Special attention given to artists influences by Swedenborg, including Flaxman, Blake, Powers, Page, Gaugin, Inness, Pyle, and Burnham.

3 Credits. Spring. M. Gyllenhaal

### \*Fine Arts 230. Intermediate Ceramics

Further development of individual skills and sensitivities in the medium of clay. Prerequisite: Fine Arts 130.

3 Credits. Spring. C.S. Orthwein

### \*Fine Arts 240. Intermediate Painting

Introduction of more materials and techniques as well as more advanced use of concepts learned in Fine Arts 140. Prerequisite: Fine Arts 140.

3 Credits. Fall, Spring. M. Gyllenhaal

## French

### French 202. Intermediate French II

The French program is based on the four term video/textbook series French in Action. Students who have taken French previously will take a placement test to determine the appropriate course level. Completion of French in Action. French is the language of instruction.

3 Credits. Spring. E.E. Kim

## Greek

### Greek 111. Beginning New Testament Greek II

Continuation of Greek 110. Prerequisite: Greek 110.

3 Credits. Spring. W.E. Closterman

## Hebrew

### Hebrew 250. Intermediate Hebrew

Review of Hebrew grammar, followed by readings in the Old Testament with special attention to forms and syntax. Prerequisite: Hebrew 111.

3 Credits. Spring. S.I. Frazier

## History

### History 114. The Classical World (IL)

Historical survey of ancient Greece and Rome from Minoan civilization to the fall of the Roman Empire in the west. Consideration given to the contributions of this period to the history of western civilization. Particular attention to the role of religion and political trends. Use of Glencairn Museum's collections.

3 Credits. Spring. W.E. Closterman

### History 209. Asia

Introduces themes important for understanding Southeast Asia's modern history with a focus on the cultural and religious traditions of Vietnam. Explorations of the impact of Vietnam War 1950-1975 on East-West relations. Special Glencairn museum exhibit on contemporary Hindu and Buddhist practice including guest lectures. Field trips, course projects, and group work.

3 Credits. Spring B.L. Schnarr

### History 298, 398, 498. History Internship II (EE)

Proposals must be approved by head of major. History internships are open to students in second year or above who have completed at least two history courses. Description of requirements available from head of major. Course may be repeated for credit.

Credit variable. By arrangement. Staff

### History 490. Senior Research Paper I

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

### History 491. Senior Research Paper II

Independent historical research project guided by an advisor. For History Majors. Takes place over two terms in the senior year.

3 Credits. Fall, Winter, Spring. Staff

## Interdisciplinary Studies

### Interdisciplinary Studies 390. Research Seminar

For juniors in the Interdisciplinary Major. Focus on preparing to do the senior essay during senior year. Project management and information literacy: define scope, generate possible topics, analyze scholarly resources, select one topic and identify research questions in cooperation with essay advisor. Pass/Fail.

1 Credit. Spring. S.S. Werner

### Interdisciplinary Studies 390. Research Seminar

For juniors in the Interdisciplinary Major. Focus on preparing to do the senior essay during senior year. Project management and information literacy: define scope, generate possible topics, analyze scholarly resources, select one topic and identify research questions in cooperation with essay advisor. Pass/Fail.

1 Credit. Spring. S.S. Werner

### Interdisciplinary Studies 492. Senior Seminar

For seniors in the Interdisciplinary Major. Public presentation of senior essay. Critical analysis of ethics in various disciplines. Career planning and portfolio development. Pass/Fail. Prerequisite: Interdisciplinary 491.

1 Credit. Spring. S.S. Werner

## Latin

### Latin 251. Swedenborg's Theological Latin II

Continuation of Latin 250. Includes examination of original manuscripts and editions. Prerequisite: Latin 110 and Latin 111.  
3 Credits. Spring. S.I. Frazier

## Mathematics

### Mathematics 100. Introduction to Quantitative Reasoning (QR)

Introduction to mathematical concepts to improve basic skills in computation, algebra, graphing, and quantitative applications. This course prepares students for other mathematics courses and courses involving quantitative reasoning. Topics include logical fallacies, units of measure and currency, simple and compounding interest, and statistical reasoning.

3 Credits. Fall, Winter, Spring. A.F. Bryntesson, N. Simonetti

### Mathematics 124. Trigonometry

Course in trigonometric functions. In conjunction with Mathematics 120, this course prepares students for Calculus I (Mathematics 150). One lecture meeting per week. Because of duplication of subject matter, students may not receive credit for both Mathematics 124 and Mathematics 125. Prerequisite: Mathematics 120 or appropriate score on placement test.

1 Credit. Spring. C.B. Bongers

### Mathematics 130. Introduction to Statistics (IL, QR)

Introduction to data analysis, random variables and their distributions, and statistical inference. Use of current statistical software. Independent research project. Recommended for students of business, education, or the social and natural sciences. Prerequisite: Mathematics 100 or appropriate score on placement test.

3 Credits. Spring. C.W. Lindsay

### Mathematics 140. Elements of Calculus

Derivatives with applications, exponential functions, integration with applications, and functions of several variables. Not recommended for students pursuing a degree in mathematics, engineering, or the physical sciences. Because of duplication of subject matter, students may not receive credit for both Mathematics 140 and Mathematics 150. Mathematics 140 does not fulfill prerequisite requirements for Mathematics 151. Prerequisite: Mathematics 115 or appropriate score on placement test.

3 Credits. Spring. C.B. Bongers

### Mathematics 250. Calculus III

Functions of several variables, partial differentiation, multiple integration, vector calculus. Prerequisite: Mathematics 151.

4 Credits. Spring. G.L. Baker

## Music

### Music 100. College Chorale

Development and performance of choral repertoire from Renaissance to Modern. Instruction in the development of vocal techniques. Course may be repeated for credit.

1 (non-academic) Credit. Fall, Winter, Spring. C.W. Simons

### Music 110. Introduction to Western Music

Survey of the composers, styles, and genres from western civilization with a focus on developing listening skills and understanding.

3 Credits. Spring. C.W. Simons

### Music 185. Private Music Lessons or Choirs (EE)

Privately arranged music instruction. Instructor provides a written assessment of the student's progress at the end of the term. Private lessons are the financial responsibility of the student. Prerequisite: Consent of division. Course may be repeated for credit.

1 Credit. Fall, Winter, Spring. Staff

## Philosophy

### Philosophy 111. Introduction to Moral Philosophy (Moral)

Survey of some major philosophers, problems (Euthyphro, relativism, egoism), and theories (aretaic, deontic, utilitarian) in moral philosophy. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102.

3 Credits. Spring. D.A. Synnvestvedt

### Philosophy 211. Modern Philosophy

Historical consideration of modern and Enlightenment philosophy, including Descartes, Locke, Leibniz, Rousseau, and Voltaire. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102.

3 Credits. Spring. D.A. Synnvestvedt

### Philosophy/Political Science 220. Political Thought (Civil)

A consideration of political thinkers and theories, both ancient and modern, along with perennial issues in politics, such as justice, authority, liberty, order, equality, power, law, and forms of government. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102.

3 Credits. Spring. D.A. Synnvestvedt

## Physical Education

### Physical Education/Health 101. Health (EE)

Study of contemporary issues in health in the light of the Heavenly Doctrines and current research. Areas include nutrition, eating disorders, fitness, mental health, medicine, and cultural norms in relation to health, sexuality. One credit service learning laboratory component gives opportunities to volunteer, lead, or mentor others in an area of health interest.

4 Credits (academic). Spring. N.C. Dewees

### Physical Education 111. Running and Walking for Fitness and Fun

A range of walking/running activities designed to develop strength and endurance, for all abilities. Students required to run/walk three times a week in scheduled class time and to keep an exercise log. Course may be repeated for credit.

1.5 (non-academic) Credits. Spring. H.J. Bryntesson

### Physical Education 127. Kickboxing

Basic instruction in a power-punching, non-choreographed martial arts workout. Emphasis on proper technique and execution of skills. Each class includes a total-body warm-up, a cardiovascular workout, strength training, and cool-down/stretching period. Adaptable to any lifestyle, body type, age, or fitness level. Course may be repeated for credit.

1.5 (non-academic) Credits. Spring. R. Rose

### \*Physical Education 135. Intercollegiate Men's Lacrosse

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Course may be repeated for credit.

1.5 (non-academic) Credits. Spring. J.S. King

### Physical Education 183. Independent Study in Physical Education

Individualized program open to students who have medical reasons for deferment which preclude their participation, or to students who are unable to participate in the regular curriculum. Prerequisite: Consent of head of division. Course may be repeated for credit.

1.5 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

### Physical Education 230. Coaching (EE)

Coaching a minimum of three high school or elementary school sessions per week for the duration of the season. Attend all games. Students required to keep a training diary of coaching plans, performance evaluations, and weekly targets. Prerequisite: Consent of head coach and head of division. Course may be repeated for credit.

3 (non-academic) Credits. Fall, Winter, Spring. H.J. Bryntesson

## Political Science

### Political Science 111. Comparative Government

Introduction to the comparative study of the politics of nations. Examines the underlying principles, machinery, and effectiveness of selected governments around the world. Current events discussions focus on the issues facing those governments.

3 Credits. Spring. D.G. Rose

### Political Science 298, 398, 498. Political Science Internship

Requirements variable. Proposals should be submitted to the Head of the History/Social Science Division. Political Science internships are open to students in sophomore year or above who have completed at least two political science courses.

Credits variable. By arrangement. Staff

### Political Science/History 346. Issues in the Contemporary Middle East

Examination of political and social developments in the greater Middle East in post-World War II era. Survey of governments and domestic political processes of selected countries as well as key issues currently facing the region. Prerequisite: Political Science 111, History 245, or instructor permission.

3 Credits. Spring. D.G. Rose

## Psychology

### Psychology 101. Introductory Psychology

Introduction to basic constructs of psychology including scientific methodology, the brain, consciousness, memory, identity, learning, motivation, intelligence, and the nature of mental illness. Relevant New Church doctrines analyzed and compared to secular theories of psychology.

3 Credits. Fall, Winter, Spring. Staff

### Psychology 205. Social Psychology (PP)

Study of behavior and cognition in social contexts. Topics include aggression, altruism, influence, love, prejudice, and conformity. New Church concepts of love, charity, and obedience analyzed. Prerequisite: Psychology 101 or permission of instructor.

3 Credits. Spring. S.S. Werner

### Psychology 298. Psychology Internship

Proposals must be approved by a psychology professor. Psychology internships are open to students in sophomore year or above who have completed two psychology courses. Requirements are available from director of internships.

Credit variable. By arrangement. Staff

### Psychology 305. Physiological Psychology (IL)

Exploration of the neural basis of behavior and motivation. Emphasis on the neurobiology of interpersonal experience. Topics include memory, attachment, emotion, representations, states of mind, and self-regulation. Prerequisite: Psychology 101.

3 Credits. Spring. E. van Zyverden

## Religion

### Religion 103. Introduction to New Church Doctrine on Life after Death (Doctrinal)

Follow-up of Religion 101 and 102, but may be taken independently. New Church teachings on the life after death studied in their own context and the context of the history of eschatology.

3 Credits. Spring. R.J. Silverman

### Religion 125. The Holy Scripture (Doctrinal)

The symbolic nature of the Word and the spiritual meaning within. The importance of the literal meaning and its interpretation. The Word in heaven and the church. Dual expressions in the Word. Heresies. The Lord and the Word. The Word in very ancient times. The universal church. The necessity of revelation. Illustrations drawn throughout from the Old and New Testaments. Text: *The Doctrine of the Sacred Scripture*.

3 Credits. Spring. S.D. Cole

### Religion 160. Evangelization (Application)

Introduction to the doctrine of evangelization, the philosophy and application of Church growth principles, and practical instruction in how to present the doctrines to inquirers. Exploration of the changing values of Western culture and the ways the Church can effectively respond to a new generation of seekers. The purpose and process of evangelization, and how to share the teachings of the New Church with confidence and care.

3 Credits. Spring. D.H. Lindrooth

### Religion 193. Comparative Contemporary Religions (Comparative)

Survey of religions in the United States today. What religion is, how the Lord views a multiplicity of religions, the human/cultural/social sides of religion, the rise of religious intolerance and fundamentalism, religious dialogue. Religions studied include Native American religion, Judaism, Roman Catholicism, various Protestant denominations, religions of the 19th century (Mormonism, Christian Science), Islam, Hinduism, and Buddhism.

3 Credits. Spring. R.J. Silverman

### Religion 215. The Lord (Doctrinal)

Introduction to the New Church teachings about the Lord, His love and accommodation. The Incarnation. The steps and states of the Lord's life from infancy to the resurrection. His glorified Humanity and presence today. The primary focus is on the direct teachings in the doctrines, and on seeing the Lord in the Gospel accounts and in the Hebrew scriptures.

3 Credits. Spring. T.P. Glenn

### Religion 223. The Apocalypse (Scriptural)

The Last Judgment on the human race, with analogy to spiritual crisis in the individual. The spiritual functions and impact of imagery in the book of Revelation and in the memorable relations in the Apocalypse Revealed. Text: *The Apocalypse Revealed*.

3 Credits. Spring. K.H. Asplundh

### Religion 284. Christian Church History (Comparative)

Thorough grounding in Christian history. Survey of the personalities, theological and doctrinal issues, and events of Christianity. Christian divisions and present world-impact. Comparison with New Church perspective.

3 Credits. Spring. A.M.T. Dibb

**Religion 298, 398, 498. Religion Internship (EE, Application)**

Proposals must be approved by the head of division. Course may be repeated for credit.

Credit variable. By arrangement. Staff

**Religion 315. The Spiritual World (W, Doctrinal)**

The nature, structure, life, and phenomena of the spiritual world. Consideration of the philosophical implications of the creation of that world and consideration of other beliefs about heaven and hell.

3 Credits. Spring. G.H. Odhner

**Religion 380. History of New Church Doctrine (Doctrinal)**

Seminar in the development of doctrinal thought in the history of the New Church. Considerations of various and divergent interpretations. The evolution of ideas and their impact on the Church. Reflection on the intellectual heritage of the Church from an historical perspective. Extensive research in New Church collateral literature.

3 Credits. Spring. Staff

**Religion 490. Religion Senior Project I**

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. By arrangement. Staff

**Religion 491. Religion Senior Project II**

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits. By arrangement. Staff

**Sociology****Sociology 110. Introductory Sociology (QR)**

Research project utilizing techniques of participant observation, experimentation, survey/interview methods, and data analysis to discover the basic concepts of sociology: social structure, culture, and socialization. Laboratory included.

4 Credits. Spring. J.K. Williams-Hogan

**Speech****Speech 105. Public Speaking (PP)**

Exposure to a variety of speaking situations designed to address inhibitions and develop self-confidence. Class work features impromptu and prepared speeches, as well as oral interpretation of literature and choral speaking. Work on voice and speech improvement as well as command of body language.

3 Credits. Fall, Spring. S.V. Bernhardt

**Theater****Theater 210. Original Performance: Theater as Spiritual Practice**

Builds on fundamental acting skills of Theater 110. Examines archetypal patterns found worldwide in myths, stories, plays and sacred ritual. Students explore archetypes in their own lives by writing, acting in, and producing original plays. Prerequisite: Theater 110, Theater 220, or permission of instructor.

3 Credits. Spring. S.V. Bernhardt

**Writing****Writing 101. Expository Writing (W)**

Development of skills in recognizing, evaluating, and writing about ideas drawn from readings in a variety of disciplines. Five to seven analytic essays. Emphases on rhetorical argument, revision strategies, and information literacy. Formal instruction about research skills (locating and evaluating secondary sources, and integrating, citing, and documenting these sources). Articulation, development, and support of thesis. Required of first year students. Non-native speakers of English take Writing 101 sophomore year.

3 Credits. Fall, Winter, Spring. R.S. Cooper, T.P. Glenn, A. Rogers-Petro

**Writing 202. Writing About Literature (W) (IL)**

Analytic study of literary genres, with emphases on writing and research skills. Assumes basic skills in writing and information literacy covered in Writing 101. Three papers, including substantial revision. One longer paper requires 2+ secondary sources and student evaluation of sources and research process. Individual conferences with instructor to discuss student's writing, research, and implementation of secondary sources. Required of sophomores. Prerequisite: Writing 101. Students who complete Writing 101 (or its equivalent) and Writing 202 satisfy an IL component for the Core Program.

3 Credits. Winter, Spring. R.S. Cooper, K. King

**Writing 213. Advanced Exposition (W)**

Intensive study of writing for students interested in developing rhetorical skills in composition. Attention both to concepts of classical rhetoric and to issues arising in the context of contemporary cultural environments and communications practices.

3 Credits. Spring. T.P. Glenn

### **Academic Reminders and Requirements**

Make sure you have a tentative academic plan before you see your advisor to register for classes. Your advisor can provide information and perspectives that may help you make decisions, but it is your academic program. It is your responsibility to ensure it is the program you want and need.

Each term, choose three or four academic courses at the appropriate level. Full-time students must take at least 9 academic credits each term. However, to stay on track for a graduation in four years, you will need to take about 11 credits each term. Full-time tuition covers 14.5 credits per term; additional payment is necessary for any more. Keep the following requirements in mind:

#### **First Year Requirements**

- Two religion courses (100-level) during the year
- Writing 101 (or English 100 for ESL students)
- Math 100 (or test out of it via Math placement test)
- At least 9 academic credits each term (average of 11 is necessary to move to second year status)
- 100-level courses unless you get permission for upper-level courses

#### **Second Year Requirements**

- Two religion courses during the year
- Writing 202
- At least 9 academic credits (average of 11 is necessary to move to third year status)
- 100- or 200-level courses unless you get permission for higher-level courses

#### **Third and Fourth Year Requirements**

- One religion course each year (not 100-level)
- At least 9 academic credits (average of 11 is necessary to move to fourth year status)



BRYN ATHYN  
COLLEGE

[www.brynathyn.edu](http://www.brynathyn.edu)