



9201 University City Boulevard, Charlotte, NC 28223-0001

TO: Faculty Council Members
FROM: Charles Bodkin, Faculty President
DATE: March 18, 2011
RE: Consent Calendar

Attached is the Consent Calendar (See Article V, Section 3.A (3 & 4), J. (3 & 5) and K.3 of the Standing Rules of the Faculty Council.) consisting of these proposals:

- POS 9-24-10 Establishment of OPTI 5000: Selected Topics in Optics and removal of Medical Physics concentration in M.S. in Applied Physics
- ESCI 10-21-09 Establishment of ESCI 5240: Boundary-Layer Meteorology and minor changes to ESCI 5150, 5240, 5250, 5251, 5320, and 5350
- SPED 9-28-10a Establishment of SPED 7150: School Counseling and Children with Special Needs
- MDSK 4-9-10 Establishment of MDSK 6156: Curriculum, Teaching, and Contemporary Issues in Education and deletion of MDSK 6150 and 6356
- MDSK 4-9-10b Replacement of Content Courses with Pedagogy Courses for Foreign Language Program
- MDSK 6-3-10 Establishment of TESL 6206: Globalization, Communities, and Schools
- METR 10-21-09 Revision of degree requirements for Meteorology B.S.
- RELS 10-1-10 Revision of Undergraduate Religious Studies

Below are the catalog copy descriptions. If you wish to read the full proposals, they are posted on the Academic Affairs website.

If there are any objections regarding these proposals, they must be registered with the Faculty Governance Assistant (Clarence Greene, ext. 5719) by **5 PM on April 1, 2011**. If no objections are registered, the proposals will stand approved.

POS 9-24-10 Establishment of OPTI 5000: Selected Topics in Optics and removal of Medical Physics concentration in M.S. in Applied Physics

PROPOSED CATALOG COPY (in *Optical Science and Engineering* section, under *M.S. Optics Elective*)

OPTI 5000. Selected Topics in Optics. (3). Prerequisite: Consent of Optics Program Director. Selected topics in optics from areas such as medical optics, adaptive optics, all optical networks, etc. May be repeated for up to 6 hours of credit with consent of the Optics Program Director. (Fall/Spring/Summer)

PROPOSED CATALOG COPY

Physics

• M.S. in Applied Physics

Department of Physics and Optical Science

306 Grigg
704-687-8138
www.physics.uncc.edu

Coordinator

Dr. Angela Davies

Graduate Faculty

Yildirim Aktas, Associate Professor
Vasily Astratov, Associate Professor
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Tsing-Hua Her, Associate Professor
Donald Jacobs, Associate Professor
Ana Jofre, Assistant Professor
Eric Johnson, Professor
Billy F. Melton, Associate Professor
Patrick Moyer, Associate Professor
M. Yasin Akhtar Raja, Professor
Thomas J. Suleski, Associate Professor
Susan R. Trammell, Associate Professor
Robert K. Tyson, Associate Professor

MASTER OF SCIENCE IN APPLIED

PHYSICS

The Applied Physics degree program is excellent preparation for those planning to continue their education through the Ph.D., either in physics or an engineering field, or for a career as an instructor in a two-year college. Students electing the Thesis Option will be well qualified for employment in industry or in a research laboratory. While students have opportunities for research in optics, astronomy, plasma physics, and nuclear magnetic resonance, the research emphasis in the Department is in the area of applied optics. The Department of Physics and Optical Science is a major participant, and the administrative coordinator, of M.S. and Ph.D. programs in Optical Science and Engineering. These degree programs are interdisciplinary involving six science and engineering departments [Physics & Optical Science, Chemistry, Mathematics, Electrical & Computer Engineering, Mechanical Engineering & Engineering Science, and Computer Science], the Center for Optoelectronics & Optical Communications, and the Center for Precision Metrology. The program emphasizes basic and applied interdisciplinary education and research in areas of optics that include:

- Optoelectronic devices and sub-assemblies
- Devices for telecommunications, sensors, and characterization
- Optical materials (semiconductors, polymerorganic and crystalline)
- Optical metrology
- Optical imaging
- Optical communication networks

A complete description of the programs and course offerings in Optical Science and Engineering can be accessed at the web address <http://optics.uncc.edu> and under the OPTI listing in the Graduate Catalog.

Degree Requirements

The Department of Physics and Optical Science has ~~two~~^{three} concentrations within the M.S. in Applied Physics program that include both thesis and non-thesis degree options:

- ~~143~~) Applied Physics Concentration (Thesis or non-thesis option)
- ~~244~~) Applied Optics Concentration (Thesis option only)
- ~~15) Medical Physics Concentration (Non-thesis option only)~~

All degree options require the completion of 30 credit hours approved by the Physics and Optical Science Department. A minimum of 15 credit hours presented for the degree must be in courses numbered 6000 and above. Courses for which undergraduate credit has been awarded may not be repeated for graduate credit. A minimum grade point average of 3.0 is required on all coursework attempted for the degree. At the time of admission up to 6 semester hours of graduate

transfer credit may be accepted if approved by the Department of Physics and Optical Science and the Graduate School. All candidates for the degree must pass a final examination administered by the student's Advisory Committee.

A student selecting the thesis option must present credit for at least 6 semester hours of PHYS 6991. The thesis defense is the final examination for a student selecting the thesis option.

A student selecting the non-thesis option must pass a final examination administered by the student's Advisory Committee. Example questions relating to subject matter for the examination will be prepared by the Advisory Committee and given to the student at least 30 days prior to the examination date. The student will prepare responses to these questions and make an oral presentation to members of the Committee that is based upon the prepared responses. Committee members may question the student on any and all aspects of the relevant test material.

~~A student selecting the Medical Physics concentration should do so prior to enrolling. The Medical Physics concentration is designed for students wishing to pursue careers in such medical fields as radiology or medical imaging or as a research scientist/technician with companies developing and manufacturing medical equipment.~~

~~The medical physics concentration is designed to accept students having undergraduate majors in physics, chemistry, and engineering. Applicants for admission to the Medical Physics concentration must, as a minimum, present earned credit for the equivalent of the UNC Charlotte courses listed below.~~

~~PHYS 2101 and PHYS 2101L Physics for Science & Engineering I and Lab (4)~~

~~PHYS 2102 and PHYS 2102L Physics for Science & Engineering II and Lab (4)~~

~~PHYS 3101 Topics & Methods of General Physics (3)~~

~~PHYS 3141 Introduction to Modern Physics (3)~~

~~MATH 1241, 1242, 2241, 2242, and 2171 (15)~~

~~CHEM 1251, 1251L, 1252, 1252L Principles of Chemistry and Labs (8)~~

~~Students lacking courses in anatomy and physiology will be required to take BIOL 1273 and 1273 Laboratory—Human Anatomy and Physiology—4 credit hours. Students lacking courses in basic circuit theory and electronics will be required to take ECGR 2161—Basic Electrical Engineering I—3 credit hours.~~

~~A candidate for the degree must present credit for the following courses:~~

~~PHYS 6210 Theoretical Physics~~

~~PHYS 5232 Electromagnetic Theory II~~

~~PHYS 5242 Modern Physics II~~

~~PHYS 6261 Nuclear Physics~~

~~PHYS 6301 Radiation Detection, Instrumentation, & Data Analysis~~

~~PHYS 6302 Radiation Protection and Dosimetry~~
~~PHYS 6303 Imaging in Medicine~~
~~PHYS 6304 Physics of Diagnostic Radiology & Radiotherapy~~
~~PHYS 6401 Clinical Medical Physics (6 credit hours)~~

Entering students not having the equivalent of PHYS 4222, PHYS 4232, or PHYS 4242 are required to take PHYS 5222, PHYS 5232, and/or PHYS 5242, as appropriate, before the end of their first year of residence. A student may, with departmental approval, apply up to 9 semester hours from such related areas as Optics, Mathematics, Chemistry, and Engineering toward the 30 credit hour degree requirement.

Additional Admission Requirements

In addition to fulfilling the university's general requirements for graduate admission at the Master's level, applicants seeking admission into the M.S. in Applied Physics program must also:

- 1) Possess a Bachelor's degree in Physics, or a closely allied field, from an accredited college or university. Applicants from fields other than Physics may expect to be required to remove deficiencies in their physics background.
- 2) Present satisfactory scores on the aptitude portion of the Graduate Record Examination.
- 3) Possess an overall grade point average of at least 2.75 (based on a 4.0 scale) on all of the applicant's previous work beyond high school. The average in the major should be 3.0 or better.
- 4) Present satisfactory scores on the Test of English as a Foreign Language, if the applicant is from a non-English speaking country.
- 5) Demonstrate evidence of sufficient interest, ability, and preparation in physics to adequately profit from graduate study, as determined by the Physics Department's Graduate Committee.

Admission to Candidacy

In addition to the general requirements for admission to candidacy, students enrolled in the Master of Science program in Applied Physics program should have:

- 1) Removed all identified entrance deficiencies by the time of application for admission to candidacy
- 2) Completed at least 18 approved credit hours with a GPA of 3.0 or better
- 3) Selected a major advisor and formed an advisory Committee

Assistantships

Support for beginning graduate students is usually a teaching assistantship. Continuing students are often supported by research assistantships.

Comprehensive Examination

All candidates for the degree must pass a final examination.

The thesis defense is the final examination for those students who select the thesis option.

A student selecting the non-thesis option must pass a final examination administered by the student's Advisory Committee. Subject matter for the examination will be prepared by the student's Advisory Committee and given to the student at least 30 days prior to the examination date.

The student will make an oral presentation to members of the Committee that is based upon the prepared response.

Committee members may question the student on any and all aspects of the relevant test material.

Advisory Committee

Each student in the M.S. in Applied Physics Program must select a major advisor before the end of the first year of residency. The student and the major advisor jointly determine the advisory committee. The advisory committee must have at least 3 members, the majority of which must be from the Department of Physics and Optical Science. The major advisor and the advisory committee must be in place prior to applying for degree candidacy.

COURSES IN PHYSICS

PHYS 6301. Radiation Detection, Instrumentation, and Data Analysis. (3) Charged particle, neutron, and photon detection. Signal processing and data recording methods including techniques of data analysis and error propagation. The course will consist of two lectures and one two-hour laboratory each week. The course will emphasize application of radiation detectors used in radiotherapy and diagnostic radiology. Two lecture hours and one two-hour laboratory each week. *(Fall)*

PHYS 6302. Radiation Protection and Dosimetry. (3) Radiation dosimetry fundamentals including photon, electron, and neutron dosimetry. Radiation transport. Fundamentals of radiation protection and shielding. Assessment of effective dose. Three lecture hours per week. *(Spring)*

PHYS 6303. Imaging in Medicine. (3) Prerequisites: PHYS 6210 and PHYS 6301. The fundamental conceptual, mathematical, and statistical aspects of imaging science, and a survey from this formal viewpoint of various medical imaging modalities, including film-screen radiography, positron and x-ray computed tomography, ultrasound, and magnetic resonance imaging. *(Fall)*

PHYS 6304. Physics of Diagnostic Radiology and Radiotherapy. (3) Prerequisites: PHYS 6210 and PHYS 6302. Physics of x-ray diagnostic procedures and equipment. Physics of the interaction of the various radiation modalities with body equivalent materials. Physical aspects of clinical applications including radiation therapy to cause controlled biological effects in patients. Three lecture hours per week. *(Spring)*

PHYS 6401. Clinical Medical Physics. (1-3) Prerequisite: Permission of Program Director. Eighty to one hundred supervised contact hours of clinical internship at a regional health care system. May be repeated for a maximum of 12 credit hours. Graded Pass/No credit. *(Fall, Spring, Summer)*

ESCI 10-21-09 Establishment of ESCI 5240: Boundary-Layer Meteorology and minor changes to ESCI 5150, 5240, 5250, 5251, 5320, and 5350

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ESCI 5150. Applied Climatology. (3) Prerequisite: METR 3250, or permission of instructor. Methods of acquiring and analyzing climatic data in various types of applied problems. Emphasis on methods to assess and reduce the impact of weather and climate upon human activities. Three hours of combined lecture and lab per week. (Spring)

ESCI 5240 Boundary-Layer Meteorology (3) Prerequisite: METR 3210, or permission of instructor. Examines the flow of mass, energy, and moisture within the planetary boundary layer including their exchange at the earth's surface and theories of interaction. Principles of air pollution including sources, sinks, and controls. Interaction of the atmosphere with underlying surfaces (i.e. soils, vegetation, oceans, glaciers). Design and operation of instruments used to monitor the atmosphere with an emphasis on practical application. Three hours of combined lecture and lab per week. (On demand)

ESCI 5250. Advanced Dynamic Meteorology. (3) Prerequisites: METR 3250 with a grade of C and METR 3251, or better, MATH 2171, and MATH 2241, or permission of instructor. An extension of METR 3250 to provide an in-depth examination of atmospheric dynamics, focusing on the structure and evolution of synoptic scale dynamical and mesoscale convective weather systems, wave dynamics (Rossby, topographic, inertia-gravity, etc.), scale-analysis, nondimensional numbers, and atmospheric modeling. Three hours of combined lecture and lab per week. (Fall, On-demand)

ESCI 5251. Advanced Synoptic Meteorology. (3) Prerequisite Prerequisites: METR 3250 with a grade of C and METR 3251, or better, or instructor permission of instructor. An extension of METR 3251 sufficient to develop an integrated view of dynamic and synoptic and dynamic meteorology focusing on advanced. Included are a survey of conceptual models and analysis techniques for mid-latitude weather systems mesoscale atmospheric features, cumulus convection, and regional precipitation events tropical storms. Three hours of combined lecture and lab per week. (Fall Spring, On-demand)

ESCI 5320. Tropical Meteorology. (3) Prerequisite Prerequisites: METR 3245 and METR 3250, or permission of instructor. A comprehensive study of the tropical atmosphere, including climatology, mean structure and circulation, air-sea energy exchange, cumulus transport, synoptic waves, and tropical storms. Special attention is paid to the formation, evolution, motion, and societal impacts of hurricanes. Three hours of lecture per week. (Fall, On-demand) Special attention is paid to the formation, evolution, motion, and societal impacts of hurricanes. Three hours of combined lecture and lab per week. (On demand)

ESCI 5350. Mesoscale Meteorology. (3) Prerequisite or Corequisite: Prerequisites: METR 3245 and METR 3250, or permission of instructor. A comprehensive study of the structure, evolution,

and dynamics of atmospheric phenomena having spatial scales between 2 and 2000~~200~~ km. Topics include: fronts, convective initiation, mesoscale convective systems, severe thunderstorms, ~~tornadoes~~tornadoes, low-level jets, drylines, land-sea breezes, shallow convection, and terrain effects. Three hours of combined lecture and lab per week. (~~Spring~~-On demand)

SPED 9-28-10a Establishment of SPED 7150: School Counseling and Children with Special Needs

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SPED 7150. School Counseling and Children with Special Needs. (3)

Prerequisite: CSLG 7141. This course offers an extensive understanding of children with exceptional needs including recent legislation, current definitions and North Carolina eligibility criteria, and current initiatives in the public schools for identifying and providing interventions within the general education program as well as special education support services. Students will be introduced to a variety of counseling support services that may be offered through the Counselor's role in the public schools. Literature case study is required. (*Spring*)

MDSK 4-9-10 Establishment of MDSK 6156: Curriculum, Teaching, and Contemporary Issues in Education and deletion of MDSK 6150 and 6356

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MDSK 6156 Curriculum, Teaching, and Contemporary Issues in Education (3).

This course merges curriculum and learning theory to examine contemporary issues in education. Drawing from the field of curriculum studies, attention is given to historical roots of curriculum and important theorists, educational reform and the change process, as well as global comparisons among American and international educational systems. In addition, this course approaches learning theory associated with information processing, personal, social, and behavior models as a foundation of current content area instructional methodology. (*Fall*) (*Evening*)

~~**MDSK 6150. Models of Teaching. (3)** Learning theory associated with information processing, personal, social, and behavioral models; current trends in instructional methodology for a variety of content areas. (*Spring*) (*Evening*)~~

~~**MDSK 6356. Curriculum Studies. (3)** Examination of the field of curriculum study with particular emphasis on the change process. (*Fall*) (*Evening*)~~

MDSK 4-9-10b Replacement of Content Courses with Pedagogy Courses for Foreign Language Program

SUMMARY OF PROPOSED

The Department of Middle, Secondary, and K-12 Education proposes to replace one advanced language course (French, German or Spanish) with an advanced specialized pedagogy course.

MDSK 6-3-10 Establishment of TESL 6206: Globalization, Communities, and Schools

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TESL 6206. Globalization, Communities, and Schools. (3) An examination of the intersection of globalization and education with specific attention to the experiences of children of immigration in North Carolina K-12 communities and the contemporary phenomenon of transnationalism. Implications for the best K-12 educational practice are emphasized. This course does not carry a fieldwork requirement. (*Fall, Spring*)

METR 10-21-09 Revision of degree requirements for Meteorology B.S.

PROPOSED CATALOG COPY

BACHELOR OF SCIENCE IN METEOROLOGY

The primary goal of the Bachelor of Science ~~program~~ in Meteorology is to advance our understanding of the atmospheric processes that influence weather and climate. This pursuit inherently involves an interdisciplinary approach through the combination of advanced coursework in mathematics, chemistry, physics, statistics, computer science, geology, earth science, and meteorology with emphasis on recent basic and applied research. The program is designed to provide the next generation of meteorologists with sufficient knowledge and skills to (a) effectively monitor and analyze the atmospheric state across a spectrum of temporal and geospatial scales; (b) provide accurate and timely forecasts of ordinary and severe weather; and (c) address relevant contemporary challenges such as global and region climate change, human interactions with the natural environment, and the development of sustainable communities. To this end, the core meteorological curriculum is composed of courses that collectively provide a broad treatment of multi-scale atmospheric processes, including atmospheric thermodynamics and physics as well as synoptic, dynamic, and mesoscale meteorology. The major comprises a minimum of 70 total ~~69~~ hours with 31 hours of ~~in~~-required departmental ~~Earth Science, Geology, Mathematics, Chemistry, Physics, and Engineering~~ courses, ~~9 and 7~~ hours of ~~in~~-elective departmental courses, and ~~30~~ ~~Earth Science~~ courses. ~~Of these 69 hours, a minimum of 20 semester~~ hours of required extra-departmental courses. ~~will be in Meteorology courses, including METR 3140, METR 3220, METR 3245, METR 3250, METR 4245, and METR 4250.~~ An outline of the ~~Bachelor of Science~~ program ~~in Meteorology~~ appears below. Students are also encouraged to take additional coursework in related disciplines. Students enrolled in the ~~Bachelor of Science in Meteorology~~ program must complete a total of 120 hours, and fulfill the general education ~~General Education~~ requirements applicable to all baccalaureate degrees at UNC Charlotte. Consult the Department of Geography and Earth Sciences for a suggested schedule to complete a B.S. degree in Meteorology.

Required Courses (318 hours)

- | | | |
|------|-------|------------------------------------|
| ESCI | 1101 | Earth Sciences – Geography (3) |
| ESCI | 1101L | Earth Sciences – Geography Lab (1) |

GEOL 1200 Physical Geology (3)
GEOL 1200L Physical Geology Lab (1)

Required Upper Division Courses (24 hours)

~~ESCI 3105 Oceanography (3)~~

~~ESCI 4600 Earth Sciences Seminar (1)~~

METR 3140 Introduction ~~Intro~~ to Meteorology ~~and~~ Climatology (3)

METR 3210 Atmospheric Thermodynamics (3)

METR 3220 Physical Meteorology (3)

METR 3245 Synoptic Meteorology (4)

METR 3250 Dynamic Meteorology (4)

METR 4245 Advanced Synoptic Meteorology (3)

METR 4250 Advanced Dynamic Meteorology (3)

Elective Courses (Select 97 hours)

ESCI 3105 Oceanography (3)

ESCI 4140 Hydrological Processes (4)

ESCI 4155 Fluvial ~~Hydrologic~~ Processes (4)

ESCI 4170 Fundamentals of Remote Sensing (4)

ESCI 4180 Advanced Remote Sensing (~~Digital Image Processing~~) (4)

~~METR 3240 Boundary Layer Meteorology (4)~~

GEOG 2103 Elements of GIScience & Technologies (4)

GEOG 3215 Environmental Planning (W) (3)

GEOG 4120 Fundamentals of GIS (4)

GEOG 4131 Environmental Modeling with GIS (4)

METR 3252 Weather Analysis Laboratory (1)

METR 3330 Forecasting (3)

METR 3340 Weather Communications (3)

METR 4150 Applied Climatology (W) (3)

METR 4240 Boundary Layer Meteorology (3)

METR 4320 Tropical Meteorology (3)

METR 4350 Mesoscale Meteorology (3)

Additional Required Extra-Departmental Courses (30 hours)

CHEM 1251 Principles of Chemistry (3)

CHEM 1251L Principles of Chemistry Lab (1)

ITCS 1212 Introduction to Computer Science (3)

ITCS 1212L Introduction to Computer Science Lab (0)

~~ETME 3133 Fluid Mechanics (3)~~

~~ETME 3143 Thermodynamics (3)~~

MATH 1241 Calculus I (3)

MATH 1242 Calculus II (3)

MATH 2171 Differential Equations (3)

MATH 2241 Calculus III (3)

PHYS 2101 Physics for Science ~~& Engineering~~ I (3)

PHYS 2101L ~~Physics for Science & Engineering I Lab (1)~~

~~PHYS 2102 Physics for Science I Lab (1 & Engineering II (3)~~

PHYS 2102 ~~2102L~~ Physics for Science II (3)

PHYS 2102L Physics for Science ~~& Engineering~~ II Lab (1)

COURSE DESCRIPTIONS:

METR 3140. Introduction to Meteorology & Climatology. (3) Prerequisite: ESCI 1101-1101L, or permission of instructor. Fundamental physical principles of weather and climate. Analysis of short and long term atmospheric behavior are introduced. Topics include solar radiation, temperature, moisture, wind and pressure, synoptic systems, regional climates, paleoclimates, climatic change, and applied climatology. (Fall)

METR 3210. Atmospheric Thermodynamics. (3) PrerequisitesPrerequisite: METR 3140 with a grade of C or better and MATH 1241, or permission of instructor. The study of the physical processes associated with atmospheric thermodynamics and stability. Topics include: atmospheric composition, the equation of state, hydrostatics, the first and second laws of thermodynamics for dry, moist, and saturated air, atmospheric stability, parcel buoyancy, and thermodynamic diagrams. Three hours of combined lecture and lab per week. (Spring, On-demand)

METR 3220. Physical Meteorology. (3) Prerequisite: METR 3210 with a grade of C or better, or permission of instructor. 3140. Properties of aerosols and clouds, cloud nucleation and precipitation processes, and atmospheric electricity. Principles of atmospheric radiation, radiative transfer, andIntroduction to radar meteorology. Three hours of combined lecture and lab per week. (FallSpring)

~~**METR 3240. Boundary-Layer Meteorology. (4)** Prerequisites: METR 3140, MATH 1241, or permission of instructor. Examines the flows of energy, water, and gases within the planetary boundary layer and the exchange of energy and mass at the earth's surface. Theories of interactions within the boundary layer. Three hours of lecture and one three-hour lab per week. (Spring)~~

METR 3245. Synoptic Meteorology. (4) Prerequisite: METR 3210 with a grade of C or better; 3140, MATH 1241, or permission of instructor. Principles of meteorologicalAn extension of ESCI 3250 to include atmospheric modeling; analysis; fundamental concepts of of air mass structure, synoptic analysis with quantitative forecasting techniques, severe storm characteristics, wind shear, boundary layer meteorology, thermodynamics, and kinematics are integrated to understand the structure and evolution of mid-latitude cyclones and frontsand techniques for differentiating climatic regime traits and analysis of their variation through time. Three hours of lecture and one three-hour lab per week. (Fall)

METR 3250. Dynamic Meteorology. (4) Prerequisites: METR 3245 with a grade of C3140, MATH 1241, or better, MATH 1242, and PHYS 2101, or permission of instructor. PrinciplesIn-depth examination of atmospheric dynamics; including the equations of motion, circulation, vorticity, divergence, balanced and unbalanced flows, and the horizontal flow in the atmosphere; characteristics of fluid flow applied to the atmosphere, and general circulation models. Three hours of lecture and one; three-hour hours of lab, per week. (Spring)

METR 3252. Weather Analysis Laboratory. (1) PrerequisitesPrerequisite or Corequisiteserequisite: METR 3245 and permission of instructor. Topics related to atmospheric

~~Weather~~ observation, ~~meteorologic~~ data collection, ~~analysis~~, and ~~analysis, and~~ techniques of weather forecasting. May be repeated for credit. (On demand)

METR 3330. Weather Forecasting. (3) Prerequisite: METR 3245, or permission of instructor. This course will focus on weather forecasting: real-time, short-term, and long-term. Verification techniques will be studied. Three hours of ~~combined~~ lecture and lab per week. (Spring, On demand)

METR 3340. Weather Communications. (3) Prerequisite or Corequisite: METR 3245, or permission of instructor. A survey of the field of weather communications covering weather forecasting principles, television and radio broadcasting, science writing, forensic meteorology, and forecasting for business applications. Three hours of ~~combined~~ lecture and lab per week. (Fall, On demand)

METR 4000. Selected Topics in Meteorology. (1-4) Prerequisite ~~Prerequisites~~: METR 3140, or permission of the instructor. In-depth treatment of specific topics selected from meteorology. May be repeated for credit as topics vary. (On demand)

METR 4150. Applied Climatology. (3) (W) Prerequisite: METR 3250, or permission of instructor. Methods of acquiring and analyzing climactic data in various types of applied problems. Emphasis on methods to assess and reduce the impact of weather and climate upon human activities. ~~Three hours of combined lecture and lab per week.~~ (Spring)

METR 4240 Boundary-Layer Meteorology (3) Prerequisite: METR 3210, or permission of instructor. Examines the flow of mass, energy, and moisture within the planetary boundary layer including their exchange at the earth's surface and theories of interaction. Principles of air pollution including sources, sinks, and controls. Interaction of the atmosphere with underlying surfaces (i.e. soils, vegetation, oceans, glaciers). Design and operation of instruments used to monitor the atmosphere with an emphasis on practical application. Three hours of combined lecture and lab per week. (Fall, On demand)

METR 4245. Advanced Synoptic Meteorology. (3) Prerequisite ~~Prerequisites~~: METR ~~3245, METR~~ 3250 with a grade of C or better, or permission of instructor. ~~An METR 3245 sufficient to develop an~~ integrated view of ~~dynamic and~~ dynamic meteorology focusing on advanced. ~~Included are a survey of~~ conceptual models and analysis techniques for mid-latitude weather systems ~~mesoscale atmospheric features, cumulus convection,~~ and regional precipitation events. ~~tropical storms.~~ Three hours of ~~combined~~ lecture and lab per week. (~~Fall~~ ~~Spring~~, ~~On demand~~)

METR 4250. Advanced Dynamic Meteorology. (3) Prerequisites: METR ~~3245, METR~~ 3250 with a grade of C or better, MATH 2171, and MATH 2241, or permission of instructor. ~~An in-~~ depth examination of atmospheric dynamics, focusing on the structure and evolution of synoptic ~~scale dynamical~~ and ~~mesoscale convective~~ weather systems, wave dynamics (Rossby, topographic, inertia-gravity, etc.), scale-analysis, non-dimensional numbers, and atmospheric modeling. Three hours of ~~combined~~ lecture and lab per week. (Fall, ~~On demand~~)

METR 4320. Tropical Meteorology. (3) Prerequisite: ~~Prerequisites: METR 3245 and~~ METR 3250, or permission of instructor. A comprehensive study of the tropical atmosphere, including climatology, mean structure and circulation, air-sea energy exchange, cumulus transport,

synoptic waves, and tropical storms. Special attention is paid to the formation, evolution, motion, and societal impacts of hurricanes. Three hours of **combined lecture and lab** per week. (Fall, On demand)

METR 4350. Mesoscale Meteorology. (3) ~~Prerequisite or Corequisite~~**Prerequisites:** METR ~~3245 and METR~~3250, or permission of instructor. A comprehensive study of the structure, evolution, and dynamics of atmospheric phenomena having spatial scales between 2 and ~~2000~~200 km. Topics include: fronts, convective initiation, mesoscale convective systems, severe thunderstorms, tornadoes, low-level jets, **drylines**, land-sea breezes, **shallow convection**, and terrain effects. Three hours of **combined lecture and lab** per week. (Spring, On demand)

METR 4400. Internship in Meteorology. (3-6) Prerequisite: Permission of the department. Research and/or work experience designed to be a logical extension of a student's academic program. The student must apply to department for an internship by submitting a proposal which specifies the type of work/research experience preferred and how the internship will complement his or her academic program. The department will attempt to place the selected students in cooperating community organizations to complete specified research or ~~work-related~~**workrelated** tasks which are based on a contractual arrangement between the student and community organization. The student can receive three to six hours credit, depending on the nature and extent of the internship assignment. (On demand)

METR 4800. Individual Study in Meteorology. (1-4) Prerequisite: Permission from the department and credit hours established in advance. Tutorial study or special research problems. The student must request permission for independent study from an individual faculty member. May be repeated for credit as topics vary. (On demand)

RELS 10-1-10 Revision of Undergraduate Religious Studies

PROPOSED CATALOG COPY

Department of Religious Studies

Religious ~~studies~~**Studies** is the academic inquiry into the fundamental stories, ~~myths~~, symbols, and practices ~~that by which we as~~ human beings have ~~relied on~~**attempted** to make sense of ~~themselves~~**ourselves** and the worlds in which ~~they~~**we** live. The department pursues this inquiry across a range of ~~In addition to courses in Western, Asian, African, and Native American~~ religious traditions **by examining their textual, historical and cultural dimensions.** This inquiry does not seek to determine which religious views are "right" or "true," but rather attempts to gain insight into how religious systems of meaning-making have shaped the cultural orders in which we live—with particular attention to how religious discourses have shaped understandings, ~~the department offers courses in the interaction of religion and modern culture in such areas as art, literature, language, film, science, and issues~~ of race, ~~and~~ gender, sexuality, nation, and class. The department is explicitly committed to the liberal arts tradition with a commitment to **fostering both** an international and pluralistic perspective **as well as excellence in close reading, critical thinking and effective communication.**

–Most students major or minor in ~~religious studies~~**Religious Studies** to gain a broad liberal arts education. With the flexibility of the program and its relationship to other areas of the University, students can meet the specific objectives of ~~religious studies~~**Religious Studies** while

taking a wide range of courses in other departments. Some students relate religious studies to definite vocational plans, often requiring further education in professional and graduate schools.

BACHELOR OF ARTS

A major in religious studies requires 30 semester hours in religious studies courses as follows:

~~**Foundational Courses (9 hours).** Three required courses: RELS 2101 Introduction to Western Religions, RELS 2102 Introduction to Asian Religions, and RELS 2600 Approaches to the Study of Religion.~~

~~**I. ——— I. Courses in two different religious traditions (6 hours).** One course in a Western tradition selected from: RELS 2110 Judaism, RELS 2120 Christianity, or RELS 2131 Islam. One course in an Asian tradition selected from: RELS 2154 Hinduism, RELS 2157 Buddhism, RELS 2166 Taoism, or RELS 2169 Mahāyāna Buddhism in East Asia.~~

~~**Religion and modern culture (6 hours).** Two courses to orient selected from the student to the academic study of religion (6 hours): RELS 2600 Orientation to the Study of Religion and RELS 4600 Senior Seminar. Students following: RELS 2137, 3050, 3209, 3212, 3242, 4010, 4050, 4101, 4201. The specific topics for RELS 3050 and 4050 are encouraged to take RELS 2600 as early as possible in their program; students typically take RELS 4600 during their final year.~~

II. Two courses designated as textual analysis (6 hours) (as signaled in the department's ~~announced each~~ semester course listings): These courses focus on reading texts closely and carefully, examine methods and histories of textual interpretation, and consider how religious groups and cultures have composed, transmitted and been shaped by texts.

• III. Two courses designated as historical analysis (6 hours) (as signaled in the department's semester course listings): These courses focus on a particular historical period or figure; consider a movement, idea or institution across several historical periods; and examine questions of historiography more generally.

IV. Two courses designated as cultural analysis (6 hours) (as signaled in the department's semester course listings): These courses focus on how religious discourses, practices and identities interact with, influence and are influenced by the larger culture of which they are a part.

• V. Two ~~Two religious studies~~ **religious studies** electives (6 hours). ~~Any two additional courses in religious studies.~~

At least five (5) courses, including RELS 4600, must be at the 3000-level or above.

Please note: Depending on how respective sections are taught, a course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course.

~~H. — V. Senior seminar (3 hours). In their senior year, all religious studies majors must complete RELS 4600. This seminar includes completion of a senior essay and an oral presentation to students and faculty.~~

MINOR IN RELIGIOUS STUDIES

A minor in Religious Studies consists of a minimum of 15 hours, with at least two courses at the 3000-level or above.

Minors in Islamic Studies and Judaic Studies are also available. For information on either of these, please see [their individual sections](#) ~~the Department of Global, International, and Area Studies section~~ in this Catalog.

HONORS PROGRAM IN RELIGIOUS STUDIES

The Department of Religious Studies offers an Honors Program that allows students to deepen their consideration of approaches to the study of religion and to explore a well-articulated question in a written thesis. To be awarded a degree in religious studies with University Honors, the student must (1) complete all requirements of the Bachelor of Arts degree; (2) complete RELS 4400, Method and Theory in the Study of Religion, with a B or better; (3) write an Honors Thesis of A quality, as judged by their thesis director; (4) present their thesis research orally to the faculty as a whole; (5) demonstrate, in writing, evidence of a concentration in their course of study, to the satisfaction of the Religious Studies Honors Committee and (6) obtain a GPA of 3.25 or better in Religious Studies courses, and an overall GPA of 3.0 or better. Candidates must also formally apply, and be approved, for Honors Candidacy by the University Honors Council.

Course List

RELS 1101. ~~An~~ Introduction to Religious Studies. (3) (W) An introduction to the study of the religious dimensions of human existence. [Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis.](#) Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (~~As needed~~~~(Fall, Spring, Summer)~~~~(Evenings)~~)

RELS 1120. The Bible and its Interpreters. (3) An introduction to the history of biblical interpretation from the pre-canonical era to the present. [Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis.](#) Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (~~As needed~~~~(Yearly)~~)

RELS 2000. Topics in Religious Studies. (1-3) Credit hours vary with topics. [Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis.](#) Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course ~~Special topics in Religious Studies.~~ May be repeated for credit as topics vary. (~~As needed~~~~(On demand)~~)

RELS 2101. Introduction to Western Religions. (3) An introduction to Judaism, Christianity, Islam and other selected religions. Emphasis on the myths, stories, symbols, rituals, ideas, and ethical practices of these religions in their classical formulations and in their contemporary practices. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Fall, Spring)~~ ~~(Evenings)~~)

RELS 2102. Introduction to Asian Religions. (3) An introduction to Hinduism, Buddhism, and other selected religions such as Confucianism, Daoism, and Islam. Emphasis on the myths, stories, symbols, rituals, ideas, and ethical practices of these religions in their classical formulations and in their contemporary practices. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Fall, Spring, Summer)~~ ~~(Evenings)~~)

RELS 2104. Hebrew Scriptures/Old Testament. (3) The Hebrew religious tradition from the perspective of its development in the culture of the ancient Near East. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Yearly)~~)

RELS 2105. New Testament and Christian Origins. (3) Emergence of Christianity in its cultural context. Analysis of selected early Christian writings in English translation. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Fall, Spring)~~)

RELS 2107. ~~Introduction to~~ Native American Religions. (3) ~~An~~ ~~This course is an~~ introduction to ~~the traditions of North American First Peoples. The primary goal of the class is to introduce students to~~ various dimensions of the ~~Native American~~ religious experience of North American First Peoples, including other ~~with may include: Other~~ than human ~~Human Persons~~ and human persons; myth ~~Human Persons; Myth~~ and orality, sacred space, time ~~Orality; Sacred Space, Time,~~ and objects; lifeways ~~Objects; Lifeways~~ and ceremonies; tradition ~~Ceremonies; Tradition~~ and change ~~Change~~. Special emphasis is placed on past and present imaginings of Native American religions. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Alternate years)~~)

RELS 2108. Religion in American Culture. (3) The role of religion in the shaping of American culture. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed ~~(Fall, Spring)~~)

RELS 2110. Judaism. (3) The development of Jewish religious thought from antiquity to the present. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Yearly)~~)

RELS 2120. Christianity. (3) The world-wide development of the thought and practices of diverse Christian traditions from antiquity to the present. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Yearly)~~)

RELS 2131. Islam. (3) The development of the traditions in Islam with emphasis on Islamic culture, literature, and mysticism. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Yearly)~~)

RELS 2154. Hinduism. (3) The ancient Vedic traditions and the development of Hinduism. Emphasis is on the role of Hinduism in Indian civilization. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 2157. South Asian Buddhism. (3) The historical development of Buddhism during its first twenty-five hundred years with particular emphasis on ~~special attention given to~~ its diverse manifestations in South Asia. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*Alternate years*~~(On demand)~~)

RELS 2166. Daoism. (3) A thematic and historical exploration of a major indigenous religious tradition of China, with particular attention devoted to early, medieval, and modern practices and worldviews. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 2169. Mahāyāna Buddhism in East Asia. (3) An exploration of the various ways the religious ideal of the bodhisattva has been imagined and employed in devotional practice in Mahāyāna Buddhist traditions in China, Korea, Japan, Vietnam, and the United States. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 2216. The Modern Middle East. (3) ~~Cross-listed~~~~Crosslisted~~ as HIST 2216. An introduction to the history of this important and dynamic region. The course focuses on the issues that have defined the Middle East in the recent past and provides students with the

historical context needed to understand the region, its peoples, and its conflicts in greater depth. Depending on how respective sections are taught, a course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed)(Fall)

RELS 2600. Orientation Approaches to the Study of Religion. (3) (W) Required of all majors as early in their program as possible. Examines basic concepts, theories, and approaches that are involved in the critical, academic study of religion. Attention given to basic research materials and to standard writing practices in the discipline. Majors only. (Fall, Spring)

RELS 3000. Advanced Topics in Religious Studies. (3) Treatment of a special topic in religious studies. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. May be repeated for credit as topics vary. Same as RELS 3001, but **does not** fulfill the General Education writing goal. (As needed)(On-demand)

RELS 3001. Advanced Topics in Religious Studies—Writing Intensive. (3) (W) Treatment of a special topic in religious studies. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. May be repeated for credit as topics vary. Same as RELS 3001, but fulfills the General Education writing goal. (As needed)(On-demand)

~~**RELS 3050. Topics in Religion and Modern Culture. (3)** Treatment of a special topic in religion and modern culture. May be repeated for credit as topics vary. (Yearly)~~

RELS 3090. Readings in Primary Texts. (3) Introductory and/or intermediate level readings of ancient and medieval primary source texts in languages such as Greek, Latin, Hebrew, Aramaic, Arabic, Sanskrit, or Chinese. This course fulfills the requirement for a course in textual analysis. May be repeated for credit as topics vary. (As needed)

RELS 3101. Greek Myths and Religions. (3) The gods and goddesses, heroes and heroines in ancient Greek myths and religions; Greek myth and later Western religions; polytheism and monotheism; functions of myth; and contemporary interpretations of Greek myth. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed)(Yearly)

RELS 3104. Prophecy and Prophetic Literature in Ancient Israel. (3) Prerequisite: RELS 2104 or permission of the instructor. An examination of the phenomenon of prophecy in the religion of ancient Israel, with particular attention devoted to the writings about and writings attributed to named prophets in the Hebrew Bible. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (As needed)(On-demand)

RELS 3107. The Psalms and Wisdom Literature of Israel. (3) Prerequisite: RELS 2104 or permission of the instructor. The origin and content of the Psalms and the place of wisdom literature in the development of Hebrew thought. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(On-demand)~~)

RELS 3111. Women in Judaism. (3) Cross-listed as WGST 3111. A survey of the roles and activities of Jewish women throughout Jewish history, as they are portrayed in a diverse sampling of Jewish religious literature and practice. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 3113. Jesus. (3) Recommended: RELS 2105. Jesus and the religion he taught from the point of view of the synoptic gospels. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 3115. Early Christianity. (3) The history of Christianity in the 2nd-7th centuries C.E. Topics may include: martyrdom and persecution, heresy and orthodoxy, constructions of gender and sexuality in early Christianity, church-state relations, asceticism and monasticism, Constantine and the Christianization of the Roman Empire. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3116. Paul. (3) ~~The writings of St. Paul. The occasion, purpose and significance of each letter for the emerging Christian community. (Alternate years)~~ A close study of the writings of the apostle Paul in their historical contexts with consideration of the ways in which they played a role in the development of the emerging Christian movement. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3122. Esoteric Traditions. (3) The study of one or more particular expressions of religious esotericism (e.g., Jewish Kabbalah; Hindu Tantra; etc.). Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~May be repeated for credit when the subject matter changes. (On-demand)~~)

RELS 3129. Christian Controversies. (3) An exploration of Christian responses to ethical, cultural, political, and theological conflicts. The issues are selected to represent a range of time periods in the history of various Christian traditions. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 3135. Religion in Nineteenth-Century America. (3) Examination of religious thought, practices, and movements in 19th-century America. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(On-demand)~~)

RELS 3137. Religion in the Contemporary African -American Experience Religions. (3) An introduction~~This course is designed to introduce students~~ to the evolution of black religious thought and culture in ~~America~~~~American~~ during the 20th century. Emphasizes~~It emphasizes~~ the rise of the Black Church and its expanding role within black urban communities in America. ~~Also Another component of the course~~ addresses the emergence of other religious belief systems in contemporary Black culture such as Voodoo, Santeria, Spiritist churches, the Nation of Islam and even Black Judaism. Issues of race, class, gender, identity, and violence will be points of discussion in light of black religious life. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3150. African-American Church and Civil Rights. (3) Cross-listed as AFRS 3150. Role of the African-American church in the struggle for human equality. Topics such as radical, moderate, and accommodationist leadership styles; historical development of the ~~Black Church~~~~black-church~~ in the South; and ~~the Black Church's~~~~sits~~ emergence as a foundation for modern civil rights movement. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(On-demand)~~)

RELS 3163. The Religious Art and Architecture of India. (3) The visual art of Hindus, Buddhists, Jainas, and Muslims in the architecture, paintings, and sculptures of India. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Yearly)~~)

RELS 3209. Religion and Quest in Literature. (3) An examination of religious themes and questions as presented in~~The spiritual dimension of~~ contemporary and traditional literature. Focus may be on an artist, genre (novel, poetry, drama), or topic. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. Although the focus of this course may vary, it may only be taken once for credit. (*As needed*~~theme.~~~~(On-demand)~~)

RELS 3210. Religion and Popular Culture. (3) An examination of the interactions and intertwinings of religion and popular culture. Topics may include, but are not limited to, popular literature, domestic rituals, material and visual cultures, space and place, fan cultures, media, and folklore. Emphasis on how religion and popular culture shape and are shaped by issues of identity, community, nostalgia, memory, commercialism, capitalism, power, and meaning. Depending on how respective sections are taught, this course could fulfill the requirement for

historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3212. Religion Films and Film Identity. (3) (W) An examination Themes of religious identity, alienation, search, discovery, sexuality and death as reflected in recent American movies and foreign films. Film laboratory required. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. Although the focus of this course may vary, it may only be taken once for credit. (*As needed* ~~(On-demand)~~)

RELS 3215. Religion and Sexuality. (3) An examination of the role of religious discourses and practices in shaping, understanding and evaluating sexual practices, desires and identities. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. Although the focus of this course may vary, it may only be taken once for credit. (*As needed*)

RELS 3220. Religion and Masculinity. (3) An examination of the role of religious discourses and practices in shaping, regulating and evaluating masculine identities and practices. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. Although the focus of this course may vary, it may only be taken once for credit. (*As needed*)

RELS 3230. Race, Religion and Murder. (3) An introduction to the intersection of race, religion, and violence in American culture. Addresses how Judeo-Christian, Islamic, and Asian traditions have been used to justify and even condone acts of violence against women, children, and peoples of color. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3232. Islam in the African American Experience. (3) An examination of the historical practices of Islam and its varied forms within African American culture. A key component of the course centers around the narratives of Nobel Drew Ali, Elijah Muhammad, Malcolm X, Wraith Dean Muhammad, and Louis Farrakhan. This course also has a gendered component looking at the leadership of black women within Islam, the Nation of Islam, and Moorish Science. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3242. Philosophy of Religion. (3) Cross-listed as ~~listed as~~ PHIL 3530. Philosophical implications of religious experience, including the definitions, development, and diverse forms of the problems of belief and reason in modern thought. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis.

Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(On-demand)~~)

RELS 3250. The Power of Mourning. (3) A theoretical examination of mourning and the ethical/political implications of mourning for our understanding of power, agency, and hope. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3300. The Performance of Healing. (3) An examination of practices of healing and their concomitant discourses of illness, health, body, society, and cosmos across selected religious and secular traditions. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 3400. Applied Research/Field Work. (3) Prerequisite: major or minor in Religious Studies, 9 earned hours in religious studies, and permission of the instructor. Research and in-service training in business or community-based organizations. Specific content based on contract between student, supervising professor and cooperating organization. Depending on how this research and training is focused, this course could fulfill the requirement for historical, textual or cultural analysis. The course designation will be determined by the instructor. (*Approximately 120 contact hours for the semester*) (*As needed*~~(On-demand)~~)

RELS 3450. Study Abroad for Religious Studies Majors. (3-6) Prerequisite: Permission of the department. The examination of an approved topic in the context of study abroad. Depending on how this research is focused, this course could fulfill the requirement for historical, textual or cultural analysis. The course designation will be determined by the instructor. (*As needed*~~(On-demand)~~)

RELS 4000. Seminar Topics in Religious Studies. (3) Prerequisite: Permission of the instructor. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. May be repeated for credit. (*As needed*~~(On-demand)~~)

RELS 4010. Major Figure in Religious Studies. (3) (W) A focused examination of the life and works of a major figure, or small set of related figures, and their significance for the study of religion. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. ~~who has contributed to religious studies.~~ May be repeated for credit for different figures. (*As needed*~~(On-demand)~~)

RELS 4020. Major Text in Religious Studies. (3) A focused examination of an important primary text, or small range of primary texts, in the study of religion. The text may be a sacred text from a religious tradition or a theoretical text important in the study of religion. This course

fulfills the requirement for a course in textual analysis. May be repeated for credit for different texts. (*As needed*)

RELS 4030. Major Period in Religious History. (3) A focused examination of a discreet and important period in religious history. The course will examine social, political, cultural, artistic and economic dimensions of a given period with respect to how they shaped, and were shaped by, religion. This course fulfills the requirement for a course in historical analysis. May be repeated for credit for different periods. (*As needed*)

RELS 4040. Major Approach to the Study of Religion. (3) A focused examination of an influential classic or contemporary approach to the study of religion, or small set of related approaches. The course will focus on close reading of primary texts and developing students' critical engagement with the texts, through writing and discussion. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. May be repeated for credit for different approaches. (*As needed*)

~~**RELS 4050. Topics in Religion and Modern Culture. (3)** Treatment of a special topic in religion and modern culture. May be repeated for credit as topics vary. (Yearly)~~

~~**RELS 4101. Religion and Modern Thought. (3)** The interaction of modern thought and modern religious sensibilities. (Alternate years)~~

RELS 4107. Early Judaism. (3) Prerequisite: RELS 2104 or 2105 or 3110 or permission of the instructor. Comparative historical and literary study of the varieties of Judaism evidenced during late antiquity (circa 70-640 C.E.), with special attention devoted to the information and development of rabbinic Judaism. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*(~~On-demand~~))

RELS 4108. Medieval Judaism. (3) Prerequisite: RELS 2104 or 3110 or permission of the instructor. Comparative historical and literary study of the varieties of Judaism evidenced in Western Europe, the Byzantine Empire, and Islamicate realms from approximately 640 C.E. to approximately 1492 C.E. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*(~~On-demand~~))

RELS 4109. Modern Judaism. (3) Prerequisites: RELS 3110 or 4107 or 4108 or permission of the instructor. Historical and conceptual study of Judaism and Jewish experience in Europe, America, and Israel, from the 16th century to the present, with special attention paid to the development of denominations, Zionism, and the Holocaust. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*(~~On-demand~~))

RELS 4110. Contemporary Jewish Thought. (3) An examination of philosophy, religion, morality, politics, sociality, culture, family, and self-identity, in the light of modern and recent Jewish thought. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 4121. Medieval and Reformation Christianity. (3) An examination of Christian thought and practice from the early Middle Ages (c. 500 CE) through the reformations of the sixteenth century. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 4125. Witches, Saints, and Heretics. (3) An examination of the categories “normal” and “deviant” as formulated in select cultural traditions. Focus will be on examining constructions of individual identity and cultural boundaries through close reading of primary texts alongside recent films, works of fiction, and scholarly interpretations. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 4127. Material Christianity. (3) -An examination of the ways individuals and groups throughout the Christian tradition have invested material objects with sanctity and power. Much of the course will be devoted to exploring theoretical models and theological warrants for practices related to objects. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*~~(Alternate years)~~)

RELS 4150. Religion in the Contemporary United States. (3) An examination of selected topics and issues concerning contemporary American religion and culture. Topics may include, but are not limited to, religion and politics, the numerical decline of some religious groups and the explosive growth of others, the increased visibility of combinative religious practices and beliefs, new religious movements, and the intertwining of religions, popular culture, and consumer capitalism. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 4201. Religion, Morality, and Justice. (3) An exploration of ~~Explore~~ the ethical and social dimensions of selected religious traditions in their cultural contexts. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)~~(On demand)~~

RELS 4300. Religion and the Body. (3) An examination of the relationship between religious discourses and practices and the perceptions and experiences of an embodied subject.

Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 4340. Theories of Sacrifice. (3) An examination of classical and contemporary understandings of the history, meaning and cultural significance of sacrifice. Depending on how respective sections are taught, this course could fulfill the requirement for historical, textual or cultural analysis. Students *must* consult the course descriptions circulated each semester to determine which designations have been assigned to a particular course. (*As needed*)

RELS 4400. Method and Theory in the Study of Religion. (3) A close examination of primary texts representing influential classical and contemporary approaches to the study of religion. Attention given to student writing and oral presentation skills. Required of all honors students. (*As needed*)

RELS 4600. Senior Seminar. (3) (W, O) Required of majors in final year of studies. (*Fall, Spring*)

RELS 4700. Honors Thesis. (3) Prerequisite: Permission of instructor. Required of all honors students. May be repeated once for credit. (*As needed*)

RELS 4800. Independent Studies. (1-3) Prerequisite: permission of the instructor. May be repeated for credit. (*As needed*) ~~(Fall, Spring)~~