New Course Request

Indiana University

South Bend Campus

Check Appropriate Boxes:

- Undergraduate credit [ ]
- Graduate credit [ ]
- Professional credit [ ]

1. School/Division: Liberal Arts & Sciences
2. Academic Subject Code: HPSG-T
3. Course Number: 390 (must be cleared with University Registrar)
4. Instructor: L. Zynda
5. Course Title: Literary and Intellectual Traditions

   Recommended Abbreviation (Optional)
   
   (limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year):
   Fall 2006

7. Credit Hours: Fixed at 3.0 or Variable from to

8. Is this course to be graded S-F (only)? Yes [x] No [ ]

9. Is variable title approval being requested? Yes [ ] No [ ]

10. Course description (not to exceed 50 words) for Bulletin publication:
    Interdisciplinary exploration of a humanistic tradition of inquiry regarding one of the following themes: ideas of self, of truth; of beauty; of community; of nature; of conflict. Writing intensive, discussion-focused. Attention to primary texts and research materials.

11. Lecture Contact Hours: Fixed at 3.0 or Variable from to

12. Non-Lecture Contact Hours: Fixed at 0 or Variable from to

13. Estimated enrollment: 25.0000% of which 0.0000 percent are expected to be graduate students.

14. Frequency of scheduling: every other year [ ] this course be required for majors? No [ ]

15. Justification for new course: One of the Common Core courses for campus-wide general education

16. Are the necessary reading materials currently available in the appropriate library? Yes [ ]

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

Director

L. Collins

Date 6 April 06

Dean

J. M. Date 5/22/06

Chancellor/Vice-President

Date

University Registrar

Date

After School/Division approval, forward the last copy (without attachments) to the University Registrar for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.
The following syllabus is for a 300-level course in Literary and Intellectual Traditions, Hpsc-T 390. The course number has been reserved. The course is currently scheduled for Fall 2006 under the designation Hpsc-X 336 Religion and Science. It is interdisciplinary by nature, combining history, the history of science, history of religion, philosophy of science, and philosophy of religion. Hpsc-T 390 will be taught concurrently with Hpsc-X 336, to provide students under the new general education requirements with a 390-level course they can take to meet these requirements.
Course Syllabus

Hpsc-T 390 - Religion and Science

Fall 2006

Meeting Time: 5:30-6:45 MW
Meeting Place: Greenlawn 114

Instructor: L. Zynda
Contact Information: Students should use Oncourse email, and all class-related materials and announcements will be posted on Oncourse. The following are additional ways to contact the instructor.
Email: lzynda@iusb.edu
Office Phone & Voice Mail: (574) 520-5512
Office Location: 3277 Wiekamp Hall
Office Hours: TBA
Web Page: http://mypage.iusb.edu/~lzynda/

General Course Description: This course examines how science and religion have influenced and interacted with each other from ancient times to the present day. Topics will include ancient Greek and early Christian attitudes toward nature, science and the Church in the Middle Ages, the Copernican Revolution, Galileo and the Church, Christianity and the mechanical/Newtonian worldview, the rise of modern geology and paleontology, the Darwinian revolution and creationism, and the impact of contemporary physics on theology.

Required Texts: Texts for the course consist of an anthology of short essays on topics concerning science and religion, and short excerpts from the primary sources they discuss. The anthology is Science and Religion: A Historical Introduction, ed. Gary B. Ferngren (John Hopkins, 2002). Primary source readings will be made available on Oncourse.

Basis for Grading: Course grades will be based on three in-class exams (worth 20% of the course grade each) and two papers (worth 20% each). The papers will require some outside reading and research. Bibliographies at the end of essays in the Ferngren anthology provide ample references for sources.

Reading Schedule

Part I - Science and Religion: Conflict or Complexity?
August 28 - The Conflict of Science and Religion (Colin A. Russell)
August 30 - The Historiography of Science and Religion (David B. Wilson)

Part II - The Premodern Period
September 6 - Aristotle and Aristotelianism (Edward Grant)
September 11 - Early Christian Attitudes toward Nature (David C. Lindberg)
September 13 - Medieval Science and Religion (David C. Lindberg)
September 18 - Islam (Alnoor Dhanani)
Part III - The Scientific Revolution
September 20 - The Copernican Revolution (Owen Gingerich)
September 25 - Galileo Galilei (Richard J. Blackwell)
September 27 - Early Modern Protestantism (Edward B. Davis and Michael P. Winship)

October 2 - Exam 1

October 4 - Causation (John Henry)
October 9 - Mechanical Philosophy (Margaret J. Osler)
October 11 - Isaac Newton (Richard S. Westfall)
October 16 - Natural Theology (John Hedley Brooke)

Part IV - Transformations in Geology, Biology, and Cosmology, 1650-1900
October 18 - Geology and Paleontology (Nicolaas A. Rupke); Paper 1 Due
October 23 - Natural History (Peter M. Hess)
October 25 - Charles Darwin (James Moore)
October 30 - Evolution (Peter J. Bowler)
November 1 - Cosmogonies (Ronald L. Numbers)

November 6 - Exam 2

Part V - The Response of Religious Traditions
November 8 - Roman Catholicism since Trent (Steven J. Harris)
November 13 - Evangelicalism and Fundamentalism (Mark A. Noll)
November 15 - Creationism since 1859 (Ronald L. Numbers)
November 20 - The Scopes Trial (Edward J. Larson)

Part VI - The Theological Implications of Modern Science
November 22 - Physics (Richard Olson)
November 27 - Twentieth-Century Cosmologies (Craig Sean McConnell)
November 29 - Scientific Naturalism (Edward B. Davis and Robin Collins); Paper 2 Due
December 4 - The Design Argument (William A. Dembski)
December 6 - Ecology and the Environment (David N. Livingstone)

December 11 - Exam 3