

**Science & Christianity**

3 credits

Pre-requisite: PH 125

Class Information		Instructor Information		First day of classes:	
<b>Days:</b>	T & Th	<b>Instructor:</b>	Dr. Ken Nickel (PhD)	<b>Last day to add/drop/change to audit:</b>	Wed., Jan. 6, 2016
<b>Time:</b>	1:00 – 2:15	<b>Email:</b>	knickel@ambrose.edu	<b>Last day to request revised exam:</b>	Sun., Jan. 17, 2016
<b>Room:</b>	2210	<b>Phone:</b>	410-2000 ext 6903	<b>Last day to withdraw from course:</b>	Mon., Feb. 29, 2016
<b>Lab/Tut:</b>		<b>Office:</b>	2103	<b>Last day to apply for time extension for coursework:</b>	Fri., Mar 18, 2016
<b>Final Exam:</b> Tuesday, April 19 @ 9:00 AM in 2141		<b>Office Hrs:</b>	Drop in or by appointment	<b>Last day of classes:</b>	Mon., Mar. 28, 2016
					Wed., April 13, 2016

**Required Textbooks:**

Godfrey-Smith, Peter. *Theory and Reality: An Introduction to the Philosophy of Science*. Chicago, IL: University of Chicago Press, 2003.

Plantinga, Alvin. *Where the Conflict Really Lies: Science, Religion, and Naturalism*. Oxford University Press, 2011.

**Recommended Textbook**

Vaughn, Lewis, and Jillian Scott McIntosh. *Writing Philosophy: A Guide for Canadian Students*. 2nd ed. New York, NY: Oxford University Press, 2013.

**Online Resource:**

*Stanford Encyclopedia of Philosophy (SEP)*

<http://plato.stanford.edu/contents.html>

**Course Description:**

This course seeks a rapprochement between philosophy of science and philosophy of religion. The course explores the foundational questions of both fields of philosophical inquiry and examines both the tensions and the congruities. Can (does) science inform religion and can (does) religion inform science? While the obvious answer to this conjunction of questions seems 'yes', careful analysis must accompany, indeed constitute, the solutions. Particular attention will be given to the more specifically Christian contributions and issues related to philosophy of science and philosophy of religion.

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**Expected Learning Outcomes:**

This course has three main objectives: to facilitate understanding of scientific reasoning and show how that model has shaped and influenced our intellectual culture and even our religious faith; to examine the ways in which science and Christian thought relate; and to evaluate in the light of faith modern scientific theories and discoveries, including evolutionary biology, modern cosmology and cosmogenesis, and biotechnologies.

**Course Schedule:****1**

JAN 7 Introduction

What/Who are scientific and religious authorities? Is there a difference between trust and faith?

JAN 12  
JAN 14

Both science and religion have a 'demarcation problem'. What are the distinctions?

JAN 19  
JAN 21

Logical Positivism and the meaning of metaphysical claims: confirmation, verification, and falsification

JAN 26  
JAN 28 PROGRAM EMPHASIS DAY – NO CLASS

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<sup>1</sup> A more detailed schedule of readings/activities/topics will be provided weekly on Moodle. The instructor reserves the right to deviate from the proposed course outline to accommodate pedagogical needs and relevant current events.

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FEB 2  
FEB 4

Kuhn and Scientific Revolutions: An opening for radical science and religion

FEB 9  
FEB 11

FEB 16      READING WEEK  
FEB 18      READING WEEK

Postmodernism: The sociology of knowledge, feminism, and the 'Sokal Affair'

FEB 23  
FEB 25

Naturalism and Scientific Realism

MAR 1  
MAR 3

Explanation and Causation

MAR 8  
MAR 10

Plantinga and the 'Evolutionary Argument Against Naturalism' (EAAN)

MAR 15  
MAR 17

MAR 22  
MAR 24

Properly Basic Religious Beliefs

MAR 29  
MAR 31

APR 5  
APR 7

APR 12      Last Day of Class

APR 19      **9:00 AM - Final Exam - 2141**

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**Requirements:**

1. **Attendance and Participation** 15%
  - Attendance will be taken at the beginning of each class. Students are expected to attend each class session **with assigned text material and an engaged frame of mind**. Students should be prepared to contribute meaningful conversation to the topics under discussion. **Each absence from class merits an immediate 1 mark deduction** and class participation is assessed on the balance. For example, if a student misses two classes and generally participates excellently in class he or she generally cannot achieve more than 13/15 for this portion of his or her grade. **Students in class without text material and otherwise engaged in non-class activities are simply in the same room and may be assessed as absent.**
  - Students who **arrive late to class** or leave early may be marked as absent. As a general rule **two late arrivals or early departures** will amount to one absence. This policy includes mid-class “breaks.”
  - Perfect attendance but negligible participation will merit 10.5/15 or C+.
  - Twelve absences may result in a failing grade for the course.
  - Students *may* enhance their participation grade by contributing commentary and analysis to online discussion forums.
  
2. **Research Paper # 1** 17.5%
  - Due: Thursday, February 11 @ 1:00 PM
  - A separate document regarding topics, format guidelines, and late policy will be sent to student e-mails and/or be posted on Moodle.
  - Papers will be submitted by the Instructor to “Turnitin” for originality assessment. Personal privacy is protected.
  
3. **Research Paper # 2** 27.5%
  - Due: Tuesday, April 12 @ 1:00 PM
  - A separate document regarding topics, format guidelines, and late policy will be sent to student e-mails and/or be posted on Moodle.
  - Papers will be submitted by the Instructor to “Turnitin” for originality assessment. Personal privacy is protected.
  
4. **Final Exam** 40%
  - Tuesday, April 19 @ 9:00 AM - 2141
  - **Students must pass the final exam** to ensure a passing grade in the course. A student who performs well during the term but fails the final exam may fail the course.
  - Students should refrain from scheduling flights or travel of any sort that will conflict with the Final Examination schedule. Final examinations will not be rescheduled to accommodate travel arrangements

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**Attendance: See above**

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**Grade Summary:**

Letter Grade	GPA	Description	Percentage
A+	4.0		96-100 %
A	4.0	Exceptional	91-95 %
A-	3.7		86-90 %
B+	3.3		82-85 %
B	3.0	Exceeds Expectations	75-81 %
<b>B-</b>	<b>2.7</b>		<b>72-74 %</b>
C+	2.3		68-71 %
C	2.0	Meets Expectations	63-67 %
C-	1.7		60-62 %
D+	1.3		56-59 %
D	1.0	Minimal Pass	50-55 %
F	0.0	Failure	≤ 49 %

Because of the nature of the Alpha 4.00 system, there can be no uniform College-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously.

Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.

**Other**

**Students are responsible to check the Moodle** course site and their Ambrose e-mail accounts regularly. Moodle will remind students of upcoming topics and readings. E-mail may be used to notify students of cancelled classes or other important details relating to the course.

Use of cell phones, recording devices, head phones, and all other non-essential technology is **prohibited**. **Text messaging** during class is prohibited.

Phones must be put away during class.

**Lap top computers, I-pads, tablets, etc., are prohibited** from general use during class. Exceptions may be made on an individual basis for students with relevant disabilities and needs. Students wanting to use lap tops in class must discuss this with the instructor personally. Lap tops used for purposes unrelated to taking lecture notes are prohibited.

The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean

## Policies:

### Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

### Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline**; please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

### Exam Scheduling

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4)

extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

### Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devices in class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

### Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

### Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult the List of Important Dates. Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

## **Appeal of Grade**

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar's Office in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

## **Academic Integrity**

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

**Note:** Students are strongly advised to retain this syllabus for their records.