Instructor Contact Information
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Course Objectives
1. To understand current cultural views and misconceptions of the relationship between science and religion
2. To understand the history of the “warfare” myth in academia between science and religion
3. To understand the classic Christian relationship between faith and reason
4. To understand the basic definition(s) of “science,” to be introduced to the multiple controversies in the philosophy of science, and to distinguish between “science” proper and “scientism”
5. To understand the classic Christian teachings on transcendence, immanence, creation, and providence and to understand why these concepts are important to discussions on science and theology
6. To understand theories of why science developed most rapidly in the Christian west
7. To be familiar with the history of the relationship between science and religion, especially as it pertains to watershed controversies such as the Copernican revolution of the 16th century, the scientific revolution of the 17th and 18th centuries, the Darwinian revolution of the 18th century, and the revolution of physics and cosmology in the 20th century
8. To understand the history and background of “creation science” and the intelligent design movements and provide a rational and Biblical evaluation
9. To understand and evaluate the multiple positions evangelical and Bible-believing Christians have taken regarding cosmology, geology, evolution, human origins, and the Genesis narratives
10. To develop a Christian response to the emerging field of “post-humanism” and the ethical challenges of new and future biotechnologies
11. To understand why certain philosophical arguments, particularly the problems of consciousness and morality, provide enormous difficulties for any mechanistic/naturalistic view of reality
12. To provide Christian scientists, science educators, pastors, counsellors, and students the resources to defend a decidedly Christian and Biblical (inerrant and authoritative) worldview in a culture dominated by a scientific and naturalistic view of truth and reality, and to promote an attitude of worship and reverence toward our Creator God and grateful stewardship toward His creation

Class Schedule
Mon-Wed 8:30 AM - 5:30 PM (June 22 - June 24, 2015)
Location: RTS Washington DC Campus, 1651 Old Meadow Road, Suite 300, McLean, VA 22101
**Required and assigned readings**


You should have access to: The Bible, The Belgic Confession, The Heidelberg Catechism, The Westminster Confession, and the Westminster Larger Catechism

All other required and recommended articles/chapters (but not whole books) will be provided by downloadable .pdf file.

*The required and recommended readings are not meant to promote or endorse any specific viewpoint, or to suggest that RTS takes any particular position with regards to the views expressed in these articles and books. They are provided to encourage thoughtful and critical evaluation and exposure to the range of scholarly thinking within this field of study. A full range of articles and references can be found in the more extensive bibliography provided. RTS is committed to the authority of the inerrant Word of God and to the historic Reformed Faith, while recognizing that many thoughtful, committed, and sincere Bible believing evangelical Christians have taken different stances on the range of controversial topics presented and have differed on how to interpret many parts of Scripture in light of modern scientific theories.*

**Evaluation and Grades**

- **Attendance and participation in class lectures (30%)**
  The lectures presented at each class will be designed to supplement, not merely repeat, the assigned textbook primary and secondary readings.

- **Required Readings (30%)**

- **Take-home essay exam (40%)**
  You will have a roughly twelve page (6000 word) take-home, open note, open book essay exam that will involve the practical use of the knowledge you have gained from this course. Your essays will be graded based on the following criteria:
    - Clarity and logic of your arguments
    - Emphasis of pertinent points
    - Use of resources presented in class (use at least five different sources, which can include multiple references to a single book, article, or chapter)
    - Structure and overall organization of essay
    - Format (spelling, punctuation, grammar) and style
Lecture Schedule

06ST627/01 Science and Christian Faith
RTS Washington DC, Summer Term 2015
Dr. Paul J. Hoehner

Monday- Prolegomena
Morning Sessions
1. Introduction to a Study of Science and Theology
2. Science and Religion: Models of Interaction
3. Augustine on Faith and Reason
Afternoon Sessions
4. What is Science? Introduction to the Philosophy of Science
5. Christian Theology: What do we mean when we talk about “God”?
6. Providence, Miracles, and Divine Action

Tuesday-Historical Controversies
Morning Sessions
7. The Origins of Science in the Christian West
8. Galileo, the Church, and the Copernican Revolution
9. The Scientific Revolution and the Rise of the Mechanistic Worldview
Afternoon Sessions
10. Arguments from Design and the Geological Revolution
11. Darwin, Evolution, and the Response of the Church
12. Fundamentalism and Creationism

Wednesday-Current & Future Controversies
Morning Sessions
13. 20th Century Physics and Modern Cosmology
14. For and Against Intelligent Design
15. Creation and/or Evolution
Afternoon Sessions
17. Science, Ethics, and Post-humanism
18. The Problem of Consciousness and the End of Materialism
Session 1: Introduction to the Study of Science and Theology

Session 2: Science and Religion: Models of Interaction

Required:
- Psalm 19
- Lindberg and Numbers, God and Nature
  - Introduction, pp. 1-18

Session 3: Augustine on Faith and Reason

Required:
- Isaiah 7:9; Psalm 111:10; Ecclesiastes 1:13-17
- Belgic Confession, Article 2: The Means by Which We Know God
- Westminster Larger Catechism Q2
- Lindberg and Numbers, God and Nature
  - The Literal Meaning of Genesis, Book I, pp. 168-189
- John Calvin, Calvin’s Commentaries, Volume 1: Genesis (Grand Rapids: Baker), 2005, pp. 86-87 (commentary on Genesis 1:16)

Recommended:

Session 4: What is Science? An Introduction to the Philosophy of Science
**Recommended:**


**Session 5: Christian Theology: What do we mean when we talk about “God”?**

**Required:**

- Exodus 3:14; Deuteronomy 29:29; Psalm 90:1-4; Isaiah 54:7; Jeremiah 23:23-24; Acts 17:16-31; Colossians 1:15-17; Revelations 4:11
- *Belgic Confession*, Article 1: The Only God; Article 12: The Creation of All Things
- *Westminster Confession*, Chapter II: Of God, and of the Holy Trinity
- *Westminster Larger Catechism* Q7
- *Heidelberg Catechism* Q26, Q121
- Horton, *The Christian Faith*
  - Chapter One: Dissonant Dramas: Paradigms for Knowing God and the World, pp. 35-79
  - Chapter Ten: Creation: God’s Time for Us, pp. 324-349

**Recommended:**


**Session 6: Providence, Miracles and Divine Action**

**Required:**

- Exodus 14; 2 Chronicles 18:1-34 (1 Kings 21:1-37); Psalm. 77:14; Proverbs 16:33; Matthew 8:23-27; John 2:7-1; 14:11; 20:30-31; Acts 2:22
- *Belgic Confession*, Article 13: The Doctrine of God’s Providence
- *Westminster Larger Catechism* Q12, 14, 18
- *Heidelberg Catechism* Q27
- Horton, *The Christian Faith*
  - Chapter Eleven: Providence: God’s Care for all He has Made, pp. 350-372
- John Calvin, Institutes of the Christian Religion, Book I, Ch. XVI, sec. 8-10, (pp. 206-210 in the Battles edition)

**Recommended:**
Session 7: The Origins of Science in the Christian West

**Required:**
- Jeremiah 10:1-16; John 1:1-4; 10
- Lindberg and Numbers, *God and Nature*
  - Edward Grant, “Science and Theology in the Middle Ages,” pp. 49-75

**Recommended:**

Session 8: Galileo, the Church, and the Copernican Revolution

**Required:**
- Joshua 10:12-14; 1 Kings 4:29-34; Psalm 104:1-9
- Lindberg and Numbers, *God and Nature*
  - Robert S. Westman, “The Copernicans and the Churches,” pp. 76-113
  - William B. Ashworth, Jr., “Catholicism and Early Modern Science,” pp. 136-166

**Recommended:**

Session 9: The Scientific Revolution and the Rise of the Mechanistic Worldview
Required:
- Psalm 145:1-7
- Lindberg and Numbers, *God and Nature*
  - Charles Webster, “Puritanism, Separatism, and Science,” pp. 192-217
  - Margaret C. Jacob, “Christianity and the Newtonian Worldview,” pp. 238-255

Recommended:

**Session 10: Arguments from Design and the Geological Revolution**

Required:
- Job 38:4-30
- Lindberg and Numbers, *God and Nature*

Recommended:

**Session 11: Darwin, Evolution, and the Response of the Church**

Required:
- Psalm 8
- Lindberg and Numbers, *God and Nature*

Recommended:
- David N. Livingstone, *Darwin’s Forgotten Defenders: The Encounter between Evangelical Theology and Evolutionary Thought* (Grand Rapids: Eerdmans), 1987 (ISBN 9781573830935)

**Session 12: Fundamentalism and Creationism**

**Required:**
- Exodus 20:8-11; Psalm 90:4; 2 Pet 3:8
- *Westminster Larger Catechism* Q15
- Lindberg and Numbers, *God and Nature*
- Carol Iannone, “The Truth About Inherit the Wind,” *First Things* 70 (February, 1997): 28-33

**Recommended:**

**Session 13: 20th Century Physics and Modern Cosmology**

**Required:**
- Genesis 1:1-3; Job 38:31-33; Hebrews 11:13
- Lindberg and Numbers, *God and Nature*
  - Keith E. Yandell, “Protestant Theology and Natural Science in the Twentieth Century,” pp. 448-472

**Session 14: For and Against Intelligent Design**

**Required:**
- Romans 1:19-20

**Recommended:**

Session 15: Creation and/or Evolution

Required:
- Job 38:1-42:6

Recommended:
- J.P. Moreland and John Mark Reynolds (eds.), Three Views on Creation and Evolution (Grand Rapids: Zondervan), 1999 (ISBN 9780310220176)

Session 16: Modern Science, Biblical Inerrancy, and Interpreting Genesis

Required:
- Genesis 1:1-2:25
- Westminster Confession of Faith, Chapter IV: Of Creation
- Westminster Larger Catechism Q17
- Horton, The Christian Faith
  - Chapter Twelve: Being Human, pp. 373-407

Recommended:
- Matthew Barrett and Ardel B. Caneday (eds.), Four Views on the Historical Adam (Grand Rapids: Zondervan), 2013 (ISBN 9780310499275)
Session 17: Science, Ethics, and Post-humanism

**Required:**
- Genesis 1:26-31; 2:15; 3:1-7; Romans 8:29; 1 Corinthians 15:26; 51-57; 2 Corinthians 3:18; Ephesians 4:22-24; Colossians 3:9-10; 2 Peter 3:10-12
- *Westminster Confession of Faith*, Chapter XXXII OF the State of Men after Death, and of the Resurrection of the Dead
- *Belgic Confession*, Article 37: The Last Judgment

**Recommended:**

Session 18: The Problem of Consciousness and the End of Materialism

**Required:**
- Genesis 2:7; Ecclesiastes 12:7; Matthew 10:28; 1 Corinthians 2:11; Colossians 1:16

**Recommended:**