

Course Syllabus

727: History of Science (3 credits)

Faculty – Student Communications Policy

- Faculty and students are to keep one another informed if unable to communicate by E-mail or phone due to traveling or other extenuating circumstances.
- After the initial contact is made via an E-mail message, wait for three days for a response. If you have not received a response, retransmit your email and make telephone contact. Make sure to leave a voice message.
- If you have not received a response after two additional days, redirect your transmission to the faculty member with a copy to the dean of Faculty. Include previous communication efforts.
- Any further action will be determined on an individual basis together with the Dean of Faculty.

PROFESSOR

Melinda H. Connor, D.D., Ph.D., AMP, FAM

Reviewed by:

COURSE AUDIENCE

727 - History of Science is OPEN TO ALL students in the Master's and Doctoral programs. The course is designed as a stand-alone modular and can benefit any level of learning.

COURSE DESCRIPTION

This course presents a history of science from stone age, through the Copernican revolution to present day. It seeks to integrate an understanding of vital aspects of human development in relation to science and the current understanding of the impact, organization, structure and development of western style science and medicine.

LEARNING OBJECTIVES - Students will:

- Describe the overall changes in scientific thinking in the last 400 years.
- Identify our understanding of man's development of early science including fire, crop development, hunting patterns, and engineering.
- Identify the early management of water and it's relationship to man's understanding of his environment.
- Demonstrate an awareness of the impact of the Copernican revolution.
- Describe the difference between science and magic.
- Describe the difference between science and pseudoscience.

FACULTY-STUDENT COMMUNICATION:

Melinda H. Connor, D.D., Ph.D., AMP, FAM

Email: melinda_connor@mindspring.com

Mailing address: 31907 South Davis Ranch Rd. Marana, AZ 85658

Telephone: 520-609-1765 – cell

E-mail Communications

All assignments are to be submitted via email as word documents attached to messages to Melinda Connor at melinda_connor@mindspring.com. Receipt of assignments or any other request will be acknowledged within 48 hours, unless further notice is sent out by the instructor. Please contact me if you have an issue delivering the assignment in a timely fashion.

STUDENT INTERACTION

Each student is encouraged to communicate with the other students in the course. By the end of the first month of the semester you will also receive your study group assignment. Please support one another on your scholastic endeavors by participating actively in any **study group session, conference calls and assignments exchanges!**

Study group calls are organized by the instructor and students will receive an invitation to the call – each student pays for their own individual phone cost – and is required to respond to the invitation prior to the call.

COURSE GRADING DETERMINANTS

- Overall Class Participation 20%
- Monthly Papers - 30%
- Reading handouts and use of material related to the text in papers – 10%
- Specific Aims and Hypothesis - 20%
- 10 page Final Paper – 20%

The clarity, originality, quality and promptness of written assignments will be evaluated as part of a student's grade. Using "Spellcheck" and Proofreading is essential BEFORE submission of assignments.

HONORS

H.U. encourages students to strive for honors in all they do. However, a grade of Honors is reserved for work that **significantly** exceeds the level of excellence for an "A".

FORMAT of WRITTEN COURSE ASSIGNMENTS

- Double-space all assignments, using 12pt Times New Roman
- Use a title page on all papers which contains the course code, the number of the assignment and your name.
- In the footer of each page include: student name, date and page number:
727 - History of Science, Assignment number
- Include a bibliography in the final paper as necessary.
- Please use APA style for all papers
- Proofread and edit assignments carefully before submission.

COURSE ASSIGNMENTS

The course requires the completion of the following:

Required Books:

1. "The Alarming History of Medicine: Amusing Anecdotes from Hippocrates to Heart Transplants" by Richard Gordon

ISBN-10: 0312167636

ISBN-13: 978-0312167639

The paperback is \$5 on Amazon.

2. "Worldviews: An Introduction to the History and Philosophy of Science" 2nd Edition
by Richard DeWitt

Paperback: 392 pages

Publisher: Wiley-Blackwell; 2 edition (October 4, 2010)

Language: English

ISBN-10: 1405195630

ISBN-13: 978-1405195638

The textbook is available on Amazon for \$35.

Optional Books:

"The Body Electric" by Robert Becker

"The Field" by Lynn McTaggart

"Mind over Matter" by Erwin Schrodinger

"Remote Viewing Secrets. A Handbook" Joseph McMoneagle

Handouts:

You will be emailed the handouts for the class. Please review the titles and read the appropriate handout for the class session topic.

Class Syllabus

You will be writing one paper a month for each of Sept, Oct, Nov and Dec and we will do twice a month power point presentations (total of 8) to go over the materials of the class and I will be asking you to do reading in the interval. You may select 4 topics related to the history of science in which you have a particular area of interest or would strengthen your thesis/dissertation research. Papers are max of 3000 word double spaced (body of paper) and must include references. Please use APA style referencing. I would like you to complete reading both books by the end of the semester but you may read at your own pace as long as you complete as specified in the syllabus. **Do reference textbooks in your papers. You may also use any outside sources for your papers that you would like. Please use a minimum of 10 sources per paper. Do not use web sites for your references please. Journal articles or books are appropriate instead.**

Weeks One and Two (Lecture #1)

1. Read first three chapters of Worldviews to give you a head start on the material of the term. You may read the text books at your own rate for the rest of the term. Please try to stay current to the time frame in history of the material discussed in class.

2. We will discuss:

Types of reasoning, scientific method, specific aims and hypothesis construction, science and pseudo science.

3. Your sample specific aims and hypothesis will be due at the end of the month with the first paper. These are relevant to your thesis/dissertation and you will use this process through out the rest of your career.

Weeks Three and Four (Lecture #2)

1. Read the text books as time is available please.

2. We will discuss:

Value of science, human needs, spiritual traditions and the relationship to science, superpowers in science and faith in history.

3. Turn in your first paper on a history of science topic. Your choice of topic but must be relevant to the material. No more than 3000 words double spaced (body of paper) and must include references. Please use APA style referencing.

Weeks Five and Six (Lecture #3)

1. Read the text books as time is available please.
2. We will discuss:
Evolution of Human understanding, Genius and Inspiration, and Copernicus.
3. Select your next paper topic.

Weeks Seven and Eight (Lecture #4)

1. Read the text books as time is available please.
2. We will discuss:
Truth vs. Experience, What is knowledge, Mathematics as a language, Axelrod, Bacon and Descartes.
3. Turn in your second paper on a history of science topic. Your choice of topic but must be relevant to the material. No more than 3000 words double spaced (body of paper) and must include references. Please use APA style referencing.

Weeks Nine and Ten (Lecture #5)

1. Continue your reading. You should be close to done if not completed Worldview book. (Suggestion: Read "Living the Field" by Lynn McTaggart)
2. We will discuss:
Newtonian physics, Quantum physics, Einstein and Schrodinger.
3. Select your next paper topic.

Weeks Eleven and Twelve (Lecture #6)

1. Please complete your reading of Worldview by week 12. (Suggestion read: "Mind over Matter" by Erwin Schrodinger)
2. We will discuss:
Parapsychology, Remote Viewing, Non-local mind, Tesla and Becker.
3. Turn in your third paper on a history of science topic. Your choice of topic but must be relevant to the material. No more than 3000 words double spaced (body of paper) and must include references. Please use APA style referencing.

Weeks Thirteen and Fourteen (Lecture #7)

1. Begin reading Alarming History please.
(Suggestion read: "The Body Electric" by Robert Becker)
2. We will discuss:
Water as a component of the body, Chemistry vs. electricity, relationships between systems of health (meridian vs. biochemical)
3. Select your next paper topic.

Weeks Fifteen and Sixteen (Lecture #8 a, b)

1. . Please complete your reading of Alarming History.
2. We will discuss:
Hierarchy of research, Experimental designs, evaluating research.
3. Turn in your final paper on a history of science topic. Your choice of topic but must be relevant to the material. No more than 3000 words double spaced (body of paper) and must include references. Please use APA style referencing.

Week Seventeen (Lecture #9)

1. Complete all reading.
2. We will discuss:
CAM whole systems vs. the traditional RCT, type errors, placebo controls and experimenter effect.
3. Final discussion.

Students will receive a course evaluation form at the end of the Semester. Complete and return the form as soon as possible. You will receive notification of your final course grades only after you have submitted an evaluation for this and all other courses you have completed this semester.

Students who plan to take an incomplete in a course must first receive permission from Dr. Connor. Although students may apply for an Incomplete in the course based on papers not yet submitted – they must participate in all conference call discussions during the semester in order to finish the course for a grade. If the incomplete is approved then the student should wait until finishing the course before filling out the form. Transcripts will be provided only to students who have, on file, an evaluation form for each course they have completed during their academic program.