

DOCUMENTS OF THE GENERAL FACULTY

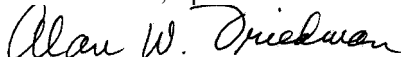
PROPOSED CHANGES TO THE HISTORY AND PHILOSOPHY OF SCIENCE CERTIFICATE IN THE COLLEGE OF LIBERAL ARTS CHAPTER IN THE *UNDERGRADUATE CATALOG 2018-2020*

Dean Randy Diehl in the College of Liberal Arts has filed with the Secretary of the Faculty Council the following proposal to change the History and Philosophy of Science certificate in the College of Liberal Arts chapter in the *Undergraduate Catalog, 2018-2020*. The History and Philosophy of Science Committee approved the proposal on June 28, 2016; the College Curriculum Design and Assessment Committee approved it on March 1, 2017, and the Dean and the College faculty approved it on March 17, 2017. The Secretary has classified this proposal as legislation of exclusive interest to one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the proposal on November 16, 2017, and forwarded it to the Office of the General Faculty. The Faculty Council has the authority to approve this legislation on behalf of the General Faculty. The authority to grant final approval on this legislation resides with the Provost on behalf of the President.

If no objection is filed with the Office of the General Faculty by the date specified below, the legislation will be held to have been approved by the Faculty Council. If an objection is filed within the prescribed period, the legislation will be presented to the Faculty Council at its next meeting. The objection, with reasons, must be signed by a member of the Faculty Council.

To be counted, a protest must be received in the Office of the General Faculty by December 4, 2017.



Alan W. Friedman, Secretary of the General Faculty and Faculty Council
The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and Comparative Literature

PROPOSED CHANGES TO THE HISTORY AND PHILOSOPHY OF SCIENCE CERTIFICATE IN THE COLLEGE OF LIBERAL ARTS CHAPTER IN THE *UNDERGRADUATE CATALOG 2018-2020*

Type of Proposal: New Certificate Program
 Change an Existing Certificate Program
 Delete a Program

Note: If the certificate program proposed for addition or change includes a requirement of 21 to 24 semester credit hours, an additional form is required for THECB approval/notification.

Proposed classification: Exclusive General Major

1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT LINDA DICKENS, DIRECTOR OF ACCREDITATION AND ASSESSMENT, TO DETERMINE IF SACSCOC APPROVAL IS REQUIRED.

- Is this a new transcript-recognized certificate program? Yes No
- Is this a request to delete an existing transcript-recognized certificate program? Yes No
- Does the certificate offer courses that will be taught off campus? Yes No
- Will courses in this program be delivered electronically? Yes No
- Will courses be developed specifically for the new certificate? Yes No

2. THIS PROPOSAL INVOLVES: (Please check all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input checked="" type="checkbox"/> Change in course sequencing for an existing program | <input type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

3. SCOPE OF PROPOSED CHANGE:

- a. Does this proposal impact other colleges/schools? Yes No
If yes, then how?
- b. Do you anticipate a net change in the number of students in your college? Yes No
If yes, how many more (or fewer) students do you expect?
- c. Do you anticipate a net increase (or decrease) in the number of students from outside of your college taking classes in your college? Yes No
If yes, please indicate the number of students and/or class seats involved.
- d. Do you anticipate a net increase (or decrease) in the number of students from your college taking courses in other colleges? Yes No
If yes, please indicate the number of students and/or class seats involved.

If 3 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included:

Person communicated with:

Date of communication:

Response:

4. **OFFICIAL CERTIFICATE NAME:** Undergraduate Certificate: History and Philosophy of Science Certificate
5. **CIP CODE** (administrative unit awarding the certificate): 54.01) History Subfield: 54.0104) History and Philosophy of Science and Technology
6. **STATEMENT OF OBJECTIVE:** To provide students with a guided opportunity to gain a cross-disciplinary command of the methods and findings that the liberal arts have contributed to our understanding of the sciences.
7. **NUMBER OF STUDENTS EXPECTED TO RECEIVE THE CERTIFICATE EACH SEMESTER:** Ten.
8. **NUMBER OF HOURS REQUIRED FOR COMPLETION (Note: If the number of required hours is 21 to 24, THECB form is required):** Eighteen.
9. **LIST FACULTY ON THE CERTIFICATE PROGRAM FACULTY COMMITTEE.**

| Name of Faculty Member | College/Department | Title at UT Austin | Highest Degree and Awarding Institution |
|------------------------|---|--|---|
| Alberto Martiniez | Liberal Arts/ History | Professor, Director of the HPS Certificate | PhD, University of Minnesota |
| Sahotra Sarkar | Liberal Arts/Philosophy; Natural Sciences/Biology | Professor | PhD, University of Chicago |
| Cory F. Juhl | Liberal Arts/Philosophy | Professor | PhD, University of Pittsburgh |
| David Crews | Natural Sciences/ Biology; Liberal Arts/ Psychology | Professor | PhD, Rutgers University |
| Abena Osseo-Asare | Liberal Arts/ History | Associate Professor | PhD, Harvard University |

10. **ACADEMIC COURSE REQUIREMENTS:** Use this table to identify the courses that qualify for this certificate program.

| Course Abbreviation and Number | Course Title | SCH |
|--------------------------------|---|-----|
| HIS 322D | Scientific Revolution of the 17th Century | 3 |
| HIS 322M | History of Modern Science | 3 |
| HIS 322G | History of the Modern Life Scienc | 3 |
| HIS 329P | History of the Atomic Bomb | 3 |
| HIS 350L | The Galileo Affair | 3 |
| HIS 350L | Einstein in an Age of Conflicts | 3 |
| PHL 313 | Introductory Symbolic Logic | 3 |
| PHL 363 | Scientific Method | 3 |

| | | |
|----------|---------------------------------|---|
| PHL 316K | Science and Philosophy | 3 |
| PHL 322 | Science and the Modern World | 3 |
| PHL 363L | Topics in Philosophy of Science | 3 |

11. OTHER CERTIFICATE REQUIREMENTS: None.

12. GIVE A DETAILED RATIONALE FOR CHANGE(S): A proposed change is to add the course PHL 363L as an option for fulfilling a requirement. We are requesting this change for several reasons. One is to ensure that our students have ample seats to choose from each semester. Another is to attract students who are science majors with specialized interests in philosophy of biology, philosophy of physics, etc., depending on their major. Since PHL 363L has a number of specialized topics that relate to various fields of science, it allows our students to integrate a philosophical perspective on their major field into the required courses for their certificate.

Second, we request to add four courses as optional HIS requirements HIS322G, HIS329P, HIS350L topic 32, HIS350L topic 64. The addition of these courses would solve the problem that our previous two requirements HIS322D and HIS322M are usually only taught by Professor Bruce Hunt, such that if, as in the present of next academic year, Hunt does not teach one of them (because of other obligations), then students interested in the HPS Certificate cannot pursue or complete it. The four additional HIS courses enable students to have more latitude in choosing courses.

13. COLLEGE/SCHOOL APPROVAL PROCESS:

| | | |
|---------------------------|----------------|--|
| Department approval date: | June 28, 2016 | History and Philosophy of Science Committee. |
| College approval date: | March 1, 2017 | Curriculum Design and Assessment Committee |
| Dean approval date: | March 17, 2017 | COLA Faculty and Dean Randy Diehl |

PROPOSED NEW CATALOG TEXT:

History and Philosophy of Science Certificate

The History and Philosophy of Science Certificate provides students an opportunity to gain a coherent, cross-disciplinary command of the methods and findings that the liberal arts have contributed to our understanding of the sciences. Students analyze the dynamic development, concepts, and roles in society of various sciences, as well as the personal, dramatic struggles of famous scientists. Students must complete four courses in two required areas: history of science, and philosophy of science, as well two electives to be selected from a list of pre-approved courses in history, philosophy, astronomy, physics, or core texts and ideas.

The certificate program requires eighteen [+8] semester hours of coursework, of which at least twelve [+2] semester hours of coursework must be upper-division, and including at least nine semester hours completed in residence.

Students must fulfill the following requirements:

1. Six semester credit hours, chosen from History 322D, [The Scientific Revolution of the Seventeenth Century, and History] 322M [, History of Modern Science], 322G, 329P, 350L topic 32 and 64
2. Philosophy 313, Introductory Symbolic Logic, or Philosophy 363, Scientific Method
3. Philosophy 316K, Science and Philosophy, [~~or~~] Philosophy 322, Science and the Modern World, or PHL 363L Topics in the Philosophy of Science
4. Six additional semester credit hours, chosen from an approved list

Each semester, the list of approved courses that meet the requirements above is available in the Department of History undergraduate advising office.

Courses the student has completed at the time of application to the program may be counted toward the certificate. Students apply for transcript-recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time. More information is available at the Certificate on History and Philosophy of Science website: <http://liberalarts.utexas.edu/hps/index.php>