Renaming an Academic Program Proposal MA, MS, PhD in History and Philosophy of Science

Status: Pending Review - Faculty Senate Exec Committee (<u>Previous</u> Version)



1. Review - College Approver - Liberal Arts

Approved by Helene Serewis Exec Asst to-Dean / Liberal Arts Admin, January 24, 2012 8:10am

Comments

Helene Serewis (College Approver - Liberal Arts) January 24, 2012 8:10am The CLA Curriculum Committee approves this proposal. Thank you.

2. Review - Curriculum Coordinator

Sent Back by <u>Sarah Williams</u> Academic Wage Appt - Hourly / Acad Prgms/Assess/Accred, *March 28, 2012 11:06am*

Comments

Sarah Williams (Curriculum Coordinator) March 28, 2012 11:06am

Returning this proposal to Originator for revisions following the Academic Programs Review on March 2, 2012.

3. Originator Response

Jacob Hamblin Professor / History Department, April 13, 2012 10:42am

Comments

Jacob Hamblin April 13, 2012 10:42am

The proposal has been revised, based on recommendations made during the Academic Programs Review meeting on March 2, 2012.

4. Review - Curriculum Coordinator

Approved by Sarah Williams Academic Wage Appt - Hourly / Acad Prgms/Assess/Accred, April 13, 2012 11:32am

Comments

Sarah Williams (Curriculum Coordinator) April 13, 2012 11:32am Moving this proposal to Budgets and Fiscal Planning.

5. Review - Budgets and Fiscal Planning Committee

Sent Back by Walter Loveland, May 20, 2012 11:03am

Comments

Walter Loveland (Budgets and Fiscal Planning Committee) May 20, 2012 11:03am
This proposal was returned to the proposers for clarification of the need for this program and its sustainability. Currently the program graduates less than 5 master's students per year and less than 2 PhD students per year, an unsustainable situation. The proposers project that this situation will improve over the next five years. The BFP group asks for the detailed reasons, surveys, etc. that support this projection.

6. Originator Response

Jacob Hamblin Professor / History Department, April 1, 2019 4:31pm

Comments

Jacob Hamblin April 1, 2019 4:31pm

This name-change stalled in 2012 when a member of the Budget Committee claimed a program that graduates less than 2 PhDs and 5 MAs per year is not sustainable. The consequence was simply that the name didn't change. The History of Science graduate program has therefore continued in the past seven years without the benefit of a name change. However, SHPR faculty continue to agree that the school's only PhD program would greatly benefit from more explicit integration with philosophy of science, one of the strengths of the School of History, Philosophy, and Religion. Therefore we are putting this proposal back into the system. Bear in mind that this is not a new program. It is a name change of SHPR's PhD program that is long overdue.

7. Review - Budgets and Fiscal Planning Committee

Approved by Andrew Ibarra Dir-Physical Activity Program / Sch of Bio/Pop Hlth Sci, April 16, 2019 2:09pm

Comments

Andrew Ibarra (Budgets and Fiscal Planning Committee) April 16, 2019 2:09pm We approve the name change.

8. Review - Graduate Council Chair

Sent Back by John Becker-Blease Associate Dean / College of Business Dept, May 7, 2019 5:27pm

Comments

John Becker-Blease (Graduate Council Chair) May 7, 2019 5:27pm

While the GC generally approves of this proposal, we would like to see the following to make it a current proposal:

- 1) Updated/signed transmittal sheet.
- 2) Current CLA curriculum committee approval.
- 3) updated liaisons.
- 4) Confirmation of budget.

9. Originator Response

Jacob Hamblin Professor / History Department, May 22, 2019 10:19am

Comments

Jacob Hamblin May 22, 2019 10:19am

All the requested updates have been made and attached: new transmittal sheet, CLA curriculum committee re-approval, updated liaisons from three other CLA schools, and confirmations/updated budget documents. In addition, the Cat 1 itself has been updated to reflect current faculty members.

10. Review - Graduate Council Chair

Approved by <u>John Becker-Blease</u> Associate Dean / College of Business Dept, *May 22, 2019 11:18am* **Comments**

John Becker-Blease (Graduate Council Chair) May 22, 2019 11:18am

Proposal now includes current transmittal form, current CLA curriculum committee approval, updated liaisons, and budget confirmation. GC has no further concerns.

11. Review - Curriculum Council Chair

Approved by Allen Thompson Associate Professor / Philosophy Department, June 3, 2019 10:49am

12. Review - Faculty Senate Exec Committee

Pending Review

More Queued Reviews (2)

Academic Programs; Catalog Coordinator

Proposal

Proposal ID:82799

Type:Renaming an Academic Program Submission Date:May 22, 2019 10:19am

Comments:

The name change takes advantage of the merger of academic units into a School of History, Philosophy, and Religion.

PROPOSAL REVIEW AND APPROVAL PROCESS

Review and Approval Steps:

Library Evaluation: NA

School of History, Philosophy, and Religion (Director): APPROVED: November 16, 2011

College of Liberal Arts (Dean): APPROVED - No Date

College of Liberal Arts (Curriculum Committee): January 24, 2012

Academic Programs Committee: March 2, 2012

Graduate School (Program Learning Outcomes): APPROVED -

Budgets and Fiscal Planning Committee: APPROVED -

Graduate Council: APPROVED - Curriculum Council: APPROVED -

Executive Committee:

Faculty Senate: APPROVED - OSU Provost: APPROVED -

External Review: NA

Graduate Council (External Review): APPROVED - NA

OSU Board of Trustees: APPROVED - Statewide Provosts' Council: NA

Higher Education Coordinating Commission: NA

Implementation:

Submitted to Registrar's Office: NWCCU Prospectus Submitted:

Campus Notification by the Office of Academic Programs, Assessment, and Accreditation:

Final Action Date:

Final Approval By: OSU Provost Effective Term (Proposed): Effective Term (Actual):

CPS #: 82799 CIP #: 54.0104 SIS Major Code:

Professional Accreditation:

Certification:

Imbedded Proposals to be Prepared and Submitted by APAA:

5-Year Follow-Up Review: NA

History

Active Version - Submitted May 22, 2019 10:19am

Version 3 - Submitted April 1, 2019 4:31pm

<u>Version 2</u> - Submitted April 13, 2012 10:42am Version 1 - Submitted January 6, 2012 2:27pm

Originators

NAME	TITLE	DEPARTMENT/SCHOOL
Jacob Hamblin	Professor	History Department

Contacts

NAME	TITLE	DEPARTMENT/SCHOOL		
J Nicole von Germeten	Director-SHPR	Liberal Arts Admin		

Proposal Details

Program Type:Graduate Major Current Program Name:History of Science - MA, MS, PhD New Program Name:MA, MS, PhD in History and Philosophy of Science

Supporting Documents

* Signed Transmittal Sheet * HPS transmittal sheet new May 2019.pdf (47.71 Kb added May 22, 2019 10:14 am) This is the new transmittal sheet with signatures from May 2019

HPS Cat 1 Exec Summary revised.docx (12.60 Kb added May 10, 2019 2:04 pm)

* Proposal @

HPS CAT I proposal revised May 2019.docx (36.17 Kb added May 10, 2019 2:43 pm)

* Letters of Support 🎱

Lawrence Rodgers Rodgers email.pdf (34.52 Kb added May 07, 2019 5:27 pm)

Library Evaluation 19

Faculty CVs 🚇

Other Attachments 9

<u>CLA CC letter May 2019.pdf</u> (38.68 Kb added May 21, 2019 12:59 pm) This is confirmation of support by the CLA Curriculum Committee in May 2019.

LIAISONS

* Liaisons

Denise Lach

Request: <u>Curriculum Liaison Email.pdf</u> (36.19 Kb added May 07, 2019 5:27 pm) Response: <u>Lach Liaison response.pdf</u> (87.80 Kb added May 07, 2019 5:27 pm) This is the old one from the School of Public Policy director. There is also a newer one from 2019

Susan Shaw

Request: <u>Curriculum Liaison Email.pdf</u> (36.19 Kb added May 07, 2019 5:27 pm) Response: <u>Shaw Liaison Response.pdf</u> (92.31 Kb added May 07, 2019 5:27 pm) This is the old letter from the School of Language, Culture, and Society. I've requested an update for 2019.

Nicole von Germeten

Request: Email to Rodgers & von Germeten.pdf (47.76 Kb added May 10, 2019 1:40 pm)

Response: <u>von Germeten reponse May 2019.pdf</u> (77.44 Kb added May 10, 2019 1:40 pm)

This is a updated liaison from the SHPR director, May 2019. She has also signed the transmittal sheet.

Susan Bernardin

Request: <u>Bernardin Liaison May 2019.pdf</u> (39.34 Kb added May 10, 2019 1:40 pm) Response: <u>Bernardin Liaison May 2019.pdf</u> (39.34 Kb added May 10, 2019 1:40 pm) This is the updated liaison from the School of Language, Culture, and Society in May 2019.

Andrew Valls

Request: <u>Valls response May 2019.pdf</u> (76.59 Kb added May 10, 2019 1:41 pm) Response: <u>Valls response May 2019.pdf</u> (76.59 Kb added May 10, 2019 1:41 pm) This is the updated letter of support from the School of Public Policy in May 2019.

Peter Betjemann

Request: <u>Betjemann liaison May 2019.pdf</u> (81.29 Kb added May 17, 2019 11:01 am) Response: <u>Betjemann liaison May 2019.pdf</u> (81.29 Kb added May 17, 2019 11:01 am) This is an updated liaison from the director of the School of Writing, Literature, and Film, May 2019.

BUDGET INFORMATION

* Budget Year 1 🚇

<u>BudgetOutlineForm HPS update May 2019.pdf</u> (70.47 Kb added May 17, 2019 11:09 am)

All four years are in the same document. This is the confirmation of budget, with dates amended to reflect a start term of Fall 2019.

* Budget Year 2 🚇

<u>BudgetOutlineForm HPS update May 2019.pdf</u> (70.47 Kb added May 17, 2019 11:10 am)

All four years are in the same document. This is the confirmation of budget, with dates amended to reflect a start term of Fall 2019.

* Budget Year 3 🎱

<u>BudgetOutlineForm HPS update May 2019.pdf</u> (70.47 Kb added May 17, 2019 11:10 am)

All four years are in the same document. This is the confirmation of budget, with dates amended to reflect a start term of Fall 2019.

* Budget Year 4 🎱

<u>BudgetOutlineForm HPS update May 2019.pdf</u> (70.47 Kb added May 17, 2019 11:11 am)

All four years are in the same document. This is the confirmation of budget, with dates amended to reflect a start term of Fall 2019.



Proposal Transmittal Sheet Full Category I and Abbreviated Category I Proposals

Submit proposals to: Office of Academic Programs, Assessment, and Accreditation 314 Waldo Hall - Oregon State University

Attach Transmittal Sheet; Proposal; Library Evaluation (performed by the Library for Full Category I proposals), Letters of Support (external to OSU); Liaison Correspondence (internal to OSU), External Review (new graduate program proposals), and Budget Information (both OSU and HECC budget sheets for Full Category I proposals and OSU budget sheets for Abbreviated Category I proposals)

Full Category I Proposals: New Progra	Other Pro	ed Category I Proposals: posals
campus, and substantive changes: Higher Education Coordinating Commission (HECC)	Final Approva	for new academic units, renames, reorganizations, ons: OSU Provost
Final Approval for new certificate programs: OSU Pr	ovost Final Approva	for terminations: OSU Board of Trustees
Check one:	Chec	k one:
New Degree Program New Certificate Program Extend Program to OSU Branch Campus Substantive Change	x Pro Renan pro Reorg aca ano incl Suspe pro Termic	ish: new college, school, department or gram ne: change the name of an existing academic gram or academic unit anization: move the responsibility of an demic program from one academic unit to ther; reorganize existing academic unit(s), uding mergers and splits nsion (or Reactivation): suspend an academic gram (maximum period: three years) nation: terminate an academic program or demic unit
Title of Proposal:		Proposed Effective Term:
Name Change: MA/MS/PhD in History and Phi	losophy of Science	Fall 2019
School/Department/Program:	College:	
School of History, Philosophy, and Religion	CL	A.
I certify that the above proposal has been review administrators and committees. I approve this p		e Program, Department, School, and College Nicole von Germeten
Sign (Department/School Chair/Head; Director)	Date	Print (Chair/Head; Director)
Sign (College Dean)	S/11/19 Date	Lavry Podgos Print (College Dean)

History and Philosophy of Science Category I Proposal (Abbreviated): Revision of the History of Science Graduate Program

Executive Summary

Proposed Name Change: History and Philosophy of Science Graduate Program

This proposal intends to change the name of the MA/MS/PhD graduate program in History of Science. The new name will be History and Philosophy of Science, to better reflect the range of expertise in the proposed School of History, Philosophy, and Religion.

The merger of the History and Philosophy departments into a single "school" created a unique and welcome opportunity to consolidate and strengthen the existing graduate program by incorporating faculty from Philosophy. Although History of Science has a long tradition at Oregon State University, the discipline shares many of the same intellectual goals as Philosophy of Science, namely understanding the practice of science in its conceptual and societal context. Together, History and Philosophy of Science (HPS) will form the crucial link at OSU between the sciences and the humanities. The key participants in graduate teaching responsibilities are in unanimous agreement that the change will serve the interests of faculty, students, and the strategic goals of OSU.

The HPS graduate program will offer MA, MS, and PhD degrees. It will build on the existing interdisciplinary strengths of History of Science by incorporating additional faculty from Philosophy of Science, while broadening the intellectual foundation of graduate students. Our program objective is to develop professionals who will apply critical and contextualized interdisciplinary analysis to issues that link science to the humanities, through research, commentary, and direct action. The specific areas of concentration within the program reflect the research goals of current faculty and the strategic mission of Oregon State University. They include a) environmental sciences and society, b) life sciences, and c) science and politics.

The name change does not entail changes to current faculty or staff; minor budget changes are reflected in the proposal

History and Philosophy of Science Category I Proposal (Abbreviated):

Revision of the History of Science Graduate Program

CPS # 82799

Updated May 2019

Proposed Name Change: History and Philosophy of Science Graduate Program

This proposal intends to change the name of the MA/MS/PhD graduate program in History of Science. The new name will be History and Philosophy of Science, to better reflect the range of expertise in the proposed School of History, Philosophy, and Religion.

CIP # **540104**

Title: History and Philosophy of Science

Definition: A program that focuses on the historical evolution of scientific theories, science applications and technologies, and the scientific, medical, and technological disciplines, as well as the philosophy of science and its historical socio-economic context. Includes instruction in the concepts and methods of philosophical inquiry; historiography of science; history of science, medicine, and technology; and research methods in the history of the scientific and engineering disciplines, including mathematics.

Source: US Department of Education, National Center for Educational Statistics, CIP 2010 ed.

1. Program Description

1a. (Brief overview (1-2 paragraphs) of the proposed program, including its disciplinary foundations and connections; program objectives; programmatic focus; degree, certificate, minor, and concentrations offered)

Rename

CPS: 82799

https://secure.oregonstate.edu/ap/cps/proposals/view/82799

CIP #: 540104SIS #: 5440

 Degree Types: Master of Arts (MA), Master of Science (MS), Doctorate (PhD)

Program Type: Graduate

 Academic Home: School of History, Philosophy, and Religion, in the College of Liberal Arts

- Options: No change
- Areas of Concentration: No Change
- Undergraduate Minors: Not applicable
- Graduate Minors: History and Philosophy of Science
- Course Designators: HSTS (Existing—no change)
- Delivery Mode and Location: On-Campus/OSU-Main
- Unique Admission Requirements: None
- Enrollment Limitations: None (initially)
- Accreditation: None (Program is not accredited)
- Proposed Start Date: Fall Term 2019 (Banner 202001)

The proposed merger of the History and Philosophy departments into a single "school" created a unique and welcome opportunity to consolidate and strengthen the existing graduate program by incorporating faculty from Philosophy. Although History of Science has a long tradition at Oregon State University, the discipline shares many of the same intellectual goals as Philosophy of Science, namely understanding the practice of science in its conceptual and societal context. Together, History and Philosophy of Science (HPS) will form the crucial link at OSU between the sciences and the humanities. The key participants in graduate teaching responsibilities are in unanimous agreement that the change will serve the interests of faculty, students, and the strategic goals of OSU.

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1b. (Course of study – proposed curriculum, including course numbers, titles, and credit hours.)

Students will be required to enroll each term in the "cohort seminar," a stand-alone 500-level seminar specifically related to History and Philosophy of Science (in the past, this has been HSTS 599). In addition, PhD students must take the following courses to ensure a fundamental mastery of the broad field of HPS:

- i. HSTS 513 (18th-19th Century Science)
- ii. HSTS 514 (20th Century Science)
- iii. PHL 570 (Philosophy of Science)

Beyond these courses, all students are encouraged to take courses according to their research interests or examination fields. Such elective courses include:

- i. HSTS 415/515 (Evolution)
- ii. HSTS 416/516 (Medicine pre-1800)
- iii. HSTS 417/517 (Medicine)
- iv. HSTS 419/519 (Scientific Controversy)
- v. HSTS 421/521 (Technology and Change)
- vi. HSTS 422/522 (Science and Politics)
- vii. HSTS 423/523 (Science and Religion)
- viii. HSTS 425/525 (Life Sciences)
- ix. HSTS 437/537 (Animals in Science)
- x. PHL 444/544 (Biomedical Ethics)
- xi. PHL 547 (Research Ethics)
- xii. PHL 551 (Knowledge and Reality)
- xiii. PHL 574 (Philosophy of Biology)

The graduate degrees already available under History of Science would be continued under the new HPS Graduate Program: Master of Arts, Master of Science, and Doctor of Philosophy.

1c. (Manner in which the program will be delivered, including program location (if offered outside of the main campus), course scheduling, and the use of technology (for both on-campus and off-campus delivery).

This proposal does not suggest any change from the current modes and locations of program delivery.

1d. (Ways in which the program will seek to assure quality, access and diversity)

Our application system currently relies on a graduate committee, coordinated by the Director of Graduate Studies, and we expect this to continue. We have a vetting period that allows us to select high-quality applicants based on three general criteria: fit with our program, projected ability to succeed intellectually, and our ability to support the student. We recruit primarily through our web presence, which includes the OSU departmental web page, and a History of Science blog (this would become an HPS blog).

We embrace and support diversity in all of its forms. Although the demographics of our graduate population depend upon the applicant pool, we have had great success in attracting students and have built a diverse community in terms of ethnicity (including international students), age, and gender. See section 1g below.

1e. (Anticipated fall-term headcount and FTE enrollment over each of the next 5 years)

We are optimistic that linking History and Philosophy of Science will increase the number of applicants and matriculations, and the increase in number of faculty FTEs (by adding two from Philosophy) will make a 50% larger annual cohort more realistic.

1f. (Expected degrees/certificates produced over the next 5 years)

Current patterns of enrollment have us on target to graduate 2-3 Masters students per year, and this should increase with an expanded program to 5 per year. At the PhD level, our target annual rate is difficult to estimate, given the numerous factors involved with completing a Ph.D. in the humanities in normative time (such as language skills, access to archives or other resources, and writing time). It also depends on whether we admit at the MA/MS or PhD level (the latter are mostly likely to finish a PhD at OSU, whereas MA/MS students may not be invited to continue, or may choose to go elsewhere).

Projected Enrollment Growth: AY 2018-19 to AY 20-17						
History of Science 2018- 19	HPS Projected Fall 2019	HPS Projected Fall 2020	HPS Projected Fall 2021	HPS Projected Fall 2022	HPS Projected Fall 2023	
9 (new this year: 6)	12	17	18	19	20	

Projected Degree Completions by Degree Type: AY 2011-12 to AY 2016-17							
Degree	History of Science 2018- 2019	HPS Projecte d Spring 2020	HPS Projecte d Spring 2021	HPS Projecte d Spring 2022	HPS Projecte d Spring 2023	HPS Projecte d Spring 2024	
MA/MS	2	2	4	5	6	6	
PhD	0	1	2	2	2	2	

1g. (Characteristics of students served (resident/non-resident/international; traditional/nontraditional; full/part-time)

Our enrollments in History of Science have been diverse, and we expect that to continue with the name change. This academic year (2018-2019) our Graduate Program comprises:

Demographic of Matriculated Students					
Resident	Non- Resident	International	Minority (among US citizens)	Over 25	Total
4	5	1	1	7	9

1h. (Adequacy and quality of faculty delivering program)

At OSU, we already are fortunate to have world-class scholars in History and Philosophy of Science, all of whom publish prolifically in their fields and have earned national and international recognition for their work. The program has benefited from the presence of the Horning Chairs in the Humanities, who in the past have been the intellectual backbone of work connecting science and the humanities at OSU. They foster not only scholarship but also community engagement by sponsoring lectures, publications, seminars, research grants, and many other activities. Future hires in HPS should also have strong records of scholarship (or evidence of great potential) and engagement in their respective academic communities, to maximize the benefit to graduate students as they learn to research, write, and network within their professions.

1i. (Faculty resources – full-time, part-time, adjunct)

The School of History, Philosophy, and Religion (SHPR) has been the university's leader in connecting the humanities to fields requiring scientific expertise. We are a home for courses that transcend disciplinary boundaries by encouraging exploration in the ethical, historical, philosophical, and religious dimensions of science, technology, health, and medicine. We offer degrees ranging from the undergraduate certificate to the Ph.D. We also host events that bring humanities perspectives to science students and faculty members on issues that are both historical and contemporary.

History and			
Philosophy of Science	Academic		
Graduate Faculty	Unit	Discipline	Expertise
Campbell, Courtney	SHPR	Philosophy	biomedical ethics
Carson, Mina	SHPR	History	psychology, scientist

			activism
Clough, Sharyn	SHPR	Philosophy	feminist epistemology
			science and technology in
Figueroa, Robert	SHPR	Philosophy	society
Hamblin, Jacob	SHPR	History	20th c science and politics
Hogg, Trina	SHPR	History	technology in Africa
			disability studies, ethics,
Jenkins, Stephanie	SHPR	Philosophy	technology
Kaplan, Jonathan	SHPR	Philosophy	philosophy of biology
Kopperman, Paul	SHPR	History	history of medicine
Leibowitz, Flo	SHPR	Philosophy	technology and aesthetics
			disability and health in
Mutschler, Ben	SHPR	History	early America
			yoga; theology, body,
Sarbacker, Stuart	SHPR	Philosophy	technology
			environmental ethics and
Thompson, Allen	SHPR	Philosophy	climate science
von Germeten,			Latin American knowledge
Nicole	SHPR	History	systems

1j. (Other staff)

The name change requires no change in staff structure or responsibilities.

1k. (Facilities, library other resources)

The name change requires no change in facilities or library resources.

11. (Anticipated start date)

We would like to begin the revised program as soon as possible, to enter into effect Fall 2019.

2. Relationship to Mission and Goals

2a. (Manner in which the proposed program supports the institution's mission and goals for access, student learning, research and/or scholarly work, and service.)

History and Philosophy of Science is a blend of academic scholarship and explicit engagement with one of the critical social and economic forces of the contemporary era, namely the practice of science. Many of the faculty explicitly endorse "engaged scholarship" as a professional goal. As a land-grant institution, Oregon State University has a long tradition of upholding the goal of providing practical access to recent work on

agriculture, science and technology. We are proud of this tradition and see History and Philosophy of Science at the core of student experiences at OSU, as students learn the social context for the knowledge and techniques they learn in other parts of the curriculum. OSU is unique in that there already is a suite of courses specifically in History of Science that attract undergraduate students in disciplines as wide-ranging as engineering, pharmacy, and physics. The graduate program draws upon this strong undergraduate curriculum considerably and trains students further to engage with these issues at a higher level, to become critical thinkers and scholars about the relationship between science and the modern world. Our graduate students have engaged in outreach activities, such as working for OSU's archives, curating online exhibits for OSU extension, or coordinating visits from native American tribes to talk about traditional ecological knowledge. We see this as service to the community, but it also informs scholarship. In addition, the presence of the graduate program provides opportunities for faculty to teach intensive seminars that engage current research. These facilitate discussion, inform faculty scholarship, and encourage further outreach service.

2b. (Connection of the proposed program to the institution's strategic priorities and signature areas of focus.)

The faculty members in the History and Philosophy of Science have particular strengths in three key areas: environmental sciences, life sciences, and science and politics. We see these areas as direct reflections of the areas of distinction identified in OSU's strategic plan, namely a) advancing the science of sustainable earth ecosystems; b) improving human health and wellness; and c) promoting economic growth and social progress. Although our interests touch on many subjects, we envision the HPS program as a focused one that will attract students who are interested in developing a deeper understanding of environmental issues, health issues, and the interactions between scientific research and widely held ideas and goals in society. When students apply to our program, it is because they are already interested in such issues, and they know that ours is a center of excellence on these key subjects. We are proud of the fact that our faculty have gained widespread attention in these areas and are committed to active engagement in contemporary issues. For example, Sharyn Clough's work on the hygiene hypothesis became an NPR headline last year, and Jacob Hamblin's work on radioactive waste disposal at sea made him an instant commentator on the 2011 disaster at Fukushima. These are just two examples of many, and we fully embrace the areas of distinction outlined in OSU's strategic plan.

2c. (Manner in which the proposed program contributes to OUS's goals for access, quality learning, knowledge creation and innovation, and economic and cultural support of Oregon and its communities.)

In addition to the points raised in 2a above, we should point out that in the area of knowledge creation, the HPS faculty are second to none, with strong records of publication. In addition, the HPS program has strong links to the university archives, and we emphasize to our graduate students the importance of working directly with primary source material there. It is a major regional repository for collecting not only outstanding international collections (such as the Ava Helen and Linus Pauling papers), but also local and regional material reflecting the rich cultural heritage of Oregon.

2d. (Manner in which the proposed program meets broad statewide needs and enhances the state's capacity to respond effectively to social, economic, and environmental challenges and opportunities.)

In addition to points raised in the above sections, the teaching, research and outreach of the HPS program is crucial to meeting the state's challenges and capitalizing on its opportunities, because of the increasing reliance on science and technology in virtually every aspect of our lives. The context provided by a strong HPS program prepares students not merely to adjust, but to understand the social dimensions of their technological choices and the long-term ramifications of their scientific worldviews.

3. Accreditation

There is no professional accreditation applicable to this degree program.

4. Need

4a. (Evidence of market demand.)

Many of our past MA/MS students have gone further in higher education, either earning Ph.D.s at OSU or elsewhere. The History of Science program has an excellent track record of placement, with recent MA students going on to Harvard, Cambridge, Johns Hopkins, and Illinois. Our recent Ph.D.s have long-term employment at Florida State University, University of Notre Dame, University of Puget Sound, California State University, Long Beach, and elsewhere. The HPS program will build on the prestige of the History of Science program (Emeritus Professors Paul Farber and Mary Jo Nye were both past presidents of the History of Science Society), and we plan to continue the tradition of excellence that has helped our graduate students find permanent employment.

Aside from the professorial world, students who take a terminal MA/MS or Ph.D. in History and Philosophy of Science will have opportunities to work in several professions, including: academic administration, science writing, technical writing, editorial work and/or other publishing work, science or history museums, and the historical offices of state and federal agencies.

4b. (If the program's location is shared with another similar OUS program, proposal should provide externally validated evidence of need (e.g., surveys, focus groups, documented requests, occupational/employment statistics and forecasts).

Not applicable.

4c. (Manner in which the program would serve the need for improved educational attainment in the region and state.)

The HPS program will build upon the existing History of Science program by providing students interested in the philosophical and ethical dimensions of science with an opportunity for improved education at the MA/MS and Ph.D. level.

4d. (Manner in which the program would address the civic and cultural demands of citizenship.)

These are addressed partly in 2a-2d above. It bears emphasizing that the contextualization of science in the humanities provided by a strong HPS program is essential to OSU's mission, to OSU's strategic plans and signature areas, and to the students who will integrate science and technology into their professional and private lives in the years to come.

5. Outcomes and Quality Assessment

5a. (Expected learning outcomes of the program.)

Graduates of the HPS program will be able to:

- achieve expertise in key subjects in History and Philosophy of Science
- identify important problems and pose relevant questions in their fields
- develop novel and original arguments based on empirical evidence and theoretical justification
- demonstrate critical thinking skills
- conduct rigorous research and contribute scholarship to their disciplines
- develop a strong interdisciplinary sensibility that unites the humanities with the sciences
- communicate ideas about science in their historical and philosophical context
- understand and explore ways in which the History and Philosophy of Science can inform discussions of pressing social, environmental, ethical, and political issues

5b. (Methods by which the learning outcomes will be assessed and used to improve curriculum and instruction.)

There are numerous ways to assess these learning outcomes. Quantitative and qualitative student evaluations of teaching are methods of judging from anonymous evaluations whether students feel they are developing these skills. In addition, professorial faculty keep these outcomes in mind as they mentor students and write letters of recommendation. More pragmatically, the HPS program will continue the History of Science program's tradition of assessing students on an annual basis. This compels faculty and students alike to take stock of their progress and to adjust, if necessary.

Evaluations of teaching, by students and other faculty, are a key method for ensuring that faculty members are training graduate students with the learning outcomes in mind.

All graduate students prior to taking comprehensive examinations are enrolled in the "cohort seminar" each quarter (usually HSTS 599). Among the many benefits of this stand-alone seminar is that it sets standards of peer review and instructor evaluation on a regular basis that is not *ad hoc*.

MA/MS students must demonstrate their proficiency either by writing (and defending) a Master's thesis, or by taking a timed comprehensive examination at the end of their course of study. All students must produce original scholarly work (either a thesis of approximately 100 pages) or (if an exam is taken) an article-length work.

Ph.D. students must demonstrate their proficiency by passing a suite of timed, written comprehensive examinations at the end of their coursework, as well as an oral examination by several faculty (including a Graduate School representative).

At all these stages, faculty can note deficiencies in student achievement and use this knowledge to revise future curriculum and instruction.

5c. (Program performance indicators.)

We judge the performance of the program on the quality of the research produced, the successful communication of research by publication, presentation, or community outreach, and the successful placement of students after the completion of the degree.

5d. (Nature and level of research and/or scholarly work expected of program faculty; indicators of success.)

Faculty members in HPS devote time to research, teaching, and service. However, HPS faculty who are training graduate students should be engaged in active research programs leading to work of a quality

publishable in scholarly journals or academic presses. Indicators of success include articles, books, invited lectures, and academic presentations at scholarly conferences.

6. Program Integration and Collaboration

6a. (Closely related programs in other OUS universities and Oregon private institutions.)

There are no closely related programs in Oregon. In Oregon (and around the world), there are individuals in educational institutions who do related research; our faculty and graduate students collaborate with these individuals.

6b. (Ways in which the program complements other similar programs in other Oregon institutions and other related programs at this institution. Proposal should identify the potential for collaboration.)

There are no comparable programs at other Oregon institutions. In fact, colleagues elsewhere look to OSU for leadership in this field. At OSU, the MA/MS/PhD in History and Philosophy of Science complements, but does not compete against, other graduate programs in the College of Liberal Arts. It is our conviction that the programs will strengthen one another by networking with graduate students, participating together in forums across campus, and populating stand-alone graduate seminars on topics of mutual interest. As the School of Public Policy expands its doctoral program, for example, there may be opportunities for such liaison on the subject of science and technology policy. Also, as the Anthropology program grows, we may find that our students can benefit from an interdisciplinary seminar on knowledge systems across cultures. These are just two examples of a broad range of cooperation across disciplinary lines. Faculty whose scholarly interests intersect with the intellectual goals of HPS include:

Related/Affiliated	Academic		
Outside SHPR	Unit	Discipline	Expertise
		New Media	media and
Loges, William	SAC	Communications	society
			technology,
Reeves, Josh	SAC	Rhetoric	media, rhetoric
			history and
			technology of
Bradshaw, Julia	SAC	Art/Photography	photography
			ecological
Gerkey, Drew	SLCS	Anthropology	anthropology
			energy, fisheries,
Tilt, Bryan	SLCS	Anthropology	China

Yates-Doerr, Emily	SLCS	Anthropology	public health
			ecology and
Zhang, Shaozeng	SLCS	Anthropology	society
			Sci/Tech Social
Lach, Denise	SPP	Sociology	Context
			China and
Li, Hua-Yu	SPP	Political Science	Stalinism
			Science and
Steel, Brent	SPP	Political Science	Politics
			19th c. science
Gottlieb, Evan	SWLF	Literature	and literature
			science and
			contemporary
Malewitz, Raymond	SWLF	Literature	literature
			early modern
Olsen, Rebecca	SWLF	Literature	literature
			technology and
Pflugfelder, Ehren	SWLF	Rhetoric	rhetoric
			artificial
			intelligence;
			Victorian
Ward, Megan	SWLF	Literature	literature
			early modern
Williams, Tara	SWLF	Literature	literature
			public health and
Maes, Cari	WGSS	History	medicine

6c. (If applicable, proposal should state why this program may not be collaborating with existing similar programs.) NA. See 6a

6d. (Potential impacts on other programs in the areas of budget, enrollment, faculty workload, and facilities use.) None

7. Financial Sustainability

7a. (Business plan for the program that anticipates and provides for its long-term financial viability, addressing anticipated sources of funds, the ability to recruit and retain faculty, and plans for assuring adequate library support over the long term.)

This program revision does not change or require changes in the School's or College's business plans or cost basis.

7b. (Plans for development and maintenance of unique resources (buildings, laboratories, technology) necessary to offer a quality program in this field.)

This program revision does not change or require changes in the management and delivery of courses and educational opportunities.

7c. (Targeted student/faculty ratio (student FTE divided by faculty FTE)

See detailed discussion in 1e above. With 6 projected core faculty and 20 projected students, the ratio would be 3:10.

7d. (Resources to be devoted to student recruitment.)

At present, recruitment is accomplished via the web and via email, with no costs except the time for the Director of Graduate Studies to send personalized emails to colleagues in universities all over North America and elsewhere.

8. External Review

This proposal is for a revision of an existing graduate program resulting from departmental reorganization within the College of Liberal Arts so an external review is not needed.

From: "Rodgers, Lawrence" <Larry.Rodgers@oregonstate.edu>

Date: November 16, 2011 7:26:59 AM PST

To: "Hamblin, Jacob" <Jacob.Hamblin@oregonstate.edu>
Cc: "Mutschler, Ben"

Subject: Re: History and Philosophy of Science

I find this a strong, and well written, proposal that I'm willing to support. My only caveat is that I'm fuzzy on liaison requirements for abb. Cat I's, and since this is the largest issue surrounding passage of these from the point of view of the FS executive committee (I had a long discussion about this with them), I want you to be sure that all the right people/places have been brought on board outside the unit and have confirmed their support in writing. If this isn't necessary, ignore my worries.

Larry

On 11/11/11 9:51 AM, "Hamblin, Jacob" <Jacob.Hamblin@oregonstate.edu> wrote:

Dear Larry,

We have been having very productive conversations in the school about changing the name of our graduate program to History and Philosophy of Science. I've written an abbreviated Category I proposal to make it happen, modeled on some of the other recent name change proposals. It takes into account the advice you gave me, particularly in showing how the change fits with the university's signature areas, and how it reflects consensus and commitment from all our faculty. The document has gone through several revisions, after a) circulating it to historians and philosophers of science, and b) circulating it to all the tenure/tenure track faculty History and Philosophy. I've been very pleased at the unanimous consent to this move.

The upshot is that I now have a document that represents true consensus. There has been no dissent about changing the name, and I've received encouragement from numerous people, including Courtney Campbell and Kathy Moore, who see links with Medical Humanities and Environmental Humanities and are excited about the prospect of bringing the philosophers more actively into our graduate program. I think History and Philosophy of Science will be be a key strength of CLA for many years to come.

The next step is to submit it through the system, which requires a covering page with Ben Mutschler's (copied here) signature and your

signature. I don't want to presume to submit that to you, however, before giving you an opportunity to provide your own feedback. The document is attached.

Can you let me know if you see areas in need of revision, and/or if you are confident enough at this stage to sign on? I can bring the covering page to Helene to have you sign, at your convenience.

Best wishes,

Jake

Jacob Darwin Hamblin
Director of Graduate Studies
School of History, Philosophy, and Religion
Oregon State University
306 Milam Hall
Corvallis, OR 97331 USA
http://blogs.oregonstate.edu/jdhamblin/

Subject: CLA Curriculum Committee approval for: Renaming an Academic Program

From: Kerr, David C R - To: Becker-Blease, John R - Cc: Hamblin, Jacob, Johnston, Alison, Rossi Jr, Marion - Date: May 20, 2019 at 2:46 PM

Re https://secure.oregonstate.edu/ap/cps/proposals/view/82799

Dear Dr. Becker-Blease,

The CLA Curriculum Committee met 5/20/2019 to review the materials for the CAT I revision, "Renaming an Academic Program Proposal; MA, MS, PhD in History and Philosophy of Science," provided by Dr. Jacob Hamblin. We appreciated the need to update these approvals given how long the proposal has been in the curriculum proposal system. We note there are now updated liaison approvals from Drs. Andrew Valls (Interim Director, School of Public Policy), Nicole von Germeton (Director of the School of History, Philosophy and Religion), Peter Betjemann (School of Writing, Literature and Film), and Susan Bernardin (School of Language, Culture, and Society). Our committee also reviewed the text of the proposal and Dr. Hamblin's notes about the background and context for the changes. We had no objections, and decided to re-approve it.

Sincerely, David Kerr and Alison Johnston

Co-Chairs, CLA Curriculum Committee

From: "Hamblin, Jacob" <Jacob.Hamblin@oregonstate.edu>

Date: November 17, 2011 12:19:16 PM PST

To: "Rodgers, Lawrence" <Larry.Rodgers@oregonstate.edu>, "Mutschler, Ben"

<bmutschler@oregonstate.edu>, "Lach, Denise"

<Denise.Lach@oregonstate.edu>, "Shaw, Susan" <sshaw@oregonstate.edu>,

"Helle, Anita" <ahelle@oregonstate.edu>, "McComb, Brenda"

<Brenda.McComb@oregonstate.edu>

Subject: Curriculum Liaison

Colleagues,

This memo is being sent to:

Larry Rodgers (Dean of CLA); Ben Mutschler (Transitional Director, School of History, Philosophy, and Religion); Denise Lach (Director, School of Public Policy); Susan Shaw (Transitional Director, School of Language, Culture, and Society); Anita Helle (Transitional Director, School of Writing, Literature, and Film); Brenda McComb (Dean, Graduate School)

The attached abbreviated Category I proposal describes a renaming of the History of Science graduate program. The new name will be History and Philosophy of Science.

In accordance with the liaison criteria in the Curricular Procedures Handbook, this memo serves as notification to your academic units of our intent to make this change.

Please review the enclosed/attached materials and send your comments, concern, or support to me by December 2, 2011. Your timely response is appreciated.

Please note that a lack of response will be interpreted as support.

Thank you for your time and input.

Best wishes,

Jake

Jacob Darwin Hamblin Director of Graduate Studies School of History, Philosophy, and Religion Oregon State University 306 Milam Hall Corvallis, OR 97331 USA http://blogs.oregonstate.edu/jdhamblin/

From: "Lach, Denise" < Denise. Lach@oregonstate.edu>

Date: November 17, 2011 1:02:15 PM PST

To: "Hamblin, Jacob" <Jacob.Hamblin@oregonstate.edu>

Subject: RE: Curriculum Liaison

Jacob – thanks for sending this proposal along. I support the name change to more accurately reflect the School goals and expertise of the faculty. I think it will also increase the visibility and hopefully, draw of the program. Denise

From: Hamblin, Jacob **Sent:** Thursday, November 17, 2011 12:19 PM **To:** Rodgers, Lawrence; Mutschler, Ben; Lach, Denise; Shaw, Susan; Helle, Anita; McComb, Brenda **Subject:** Curriculum Liaison

Colleagues,

This memo is being sent to:

Larry Rodgers (Dean of CLA); Ben Mutschler (Transitional Director, School of History, Philosophy, and Religion); Denise Lach (Director, School of Public Policy); Susan Shaw (Transitional Director, School of Language, Culture, and Society); Anita Helle (Transitional Director, School of Writing, Literature, and Film); Brenda McComb (Dean, Graduate School)

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Please review the enclosed/attached materials and send your comments, concern, or support to me by December 2, 2011. Your timely response is appreciated.

Please note that a lack of response will be interpreted as support.

Thank you for your time and input.

Best wishes,

Jake

Jacob Darwin Hamblin Director of Graduate Studies School of History, Philosophy, and Religion Oregon State University 306 Milam Hall Corvallis, OR 97331 USA http://blogs.oregonstate.edu/jdhamblin/ From: "Shaw, Susan" <sshaw@oregonstate.edu>

Date: November 18, 2011 8:18:59 AM PST

To: "Hamblin, Jacob" <Jacob.Hamblin@oregonstate.edu>

Subject: RE: Curriculum Liaison

I support this proposal. It makes good sense in light of our realignments.

Susan

Susan M. Shaw, Ph.D.
Professor of Women Studies
Transitional Director of the School of Language, Culture, and Society
Oregon State University
Corvallis, OR 97331
541-737-3082

From: Hamblin, Jacob **Sent:** Thursday, November 17, 2011 12:19 PM **To:** Rodgers, Lawrence; Mutschler, Ben; Lach, Denise; Shaw, Susan; Helle, Anita; McComb, Brenda **Subject:** Curriculum Liaison

Colleagues,

This memo is being sent to:

Larry Rodgers (Dean of CLA); Ben Mutschler (Transitional Director, School of History, Philosophy, and Religion); Denise Lach (Director, School of Public Policy); Susan Shaw (Transitional Director, School of Language, Culture, and Society); Anita Helle (Transitional Director, School of Writing, Literature, and Film); Brenda McComb (Dean, Graduate School)

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Please note that a lack of response will be interpreted as support.

Thank you for your time and input.

Best wishes,

Jake

Jacob Darwin Hamblin Director of Graduate Studies School of History, Philosophy, and Religion Oregon State University 306 Milam Hall Corvallis, OR 97331 USA http://blogs.oregonstate.edu/jdhamblin/

Subject: Updated Liaisons requested: History and Philosophy of Science

From: hamblija@oregonstate.edu - To: Rodgers, Lawrence, von Germeten, J Nicole - Cc: - Date: May 10, 2019 at 1:59 PM, Attachments: HPS CAT I proposal revised.pdf

Dear Larry and Nicole,

Some years ago (2011!) when the History Department and Philosophy Department merged together as the School of History, Philosophy, and Religion, we put forward a proposal to rename the MA/MS/PhD in History of Science, and make it History and Philosophy of Science. (Larry, you wrote a letter of support at the time). The proposal got bogged down in the proposal system at the Budget Committee level. Last month, SHPR decided to nudge the proposal along in the system so that we can finally achieve this name change and better integrate philosophy of science faculty into the graduate program.

The proposal has passed the Budget committee, and the Graduate Council is ready to approve it if we can update a few things such as transmittal sheet and liaisons from the CLA dean and SHPR director. Would you be willing to reply affirming that this still has your support? (And I'll upload it as a liaison letter). I'm attaching the original proposal, and before putting it back into the system I'll make some minor adjustments to account for changes in faculty since 2012, the last time it was revised.

The proposal # is 82799, if you want to have a look. There is no budgetary request along with this. In the budget documents, we have \$500 in there in each of the next four years for stationery and brochures, etc.

Best wishes,

Jake

•••

Subject: RE: Updated Liaisons requested: History and Philosophy of Science

From: von Germeten, J Nicole - To: Hamblin, Jacob, Rodgers, Lawrence - Cc: - Date: May 11, 2019 at 8:22 AM

I support the name change.

Nicole von Germeten

Professor of History

Director of the School of History, Philosophy, and Religion

Oregon State University

From: Hamblin, Jacob

Sent: Friday, May 10, 2019 1:59 PM

To: Rodgers, Lawrence; von Germeten, J Nicole

Subject: Updated Liaisons requested: History and Philosophy of Science

Dear Larry and Nicole,

Some years ago (2011!) when the History Department and Philosophy Department merged together as the School of History, Philosophy, and Religion, we put forward a proposal to rename the MA/MS/PhD in History of Science, and make it History and Philosophy of Science. (Larry, you wrote a letter of support at the time). The proposal got bogged down in the proposal system at the Budget Committee level. Last month, SHPR decided to nudge the proposal along in the system so that we can finally achieve this name change and better integrate philosophy of science faculty into the graduate program.

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The proposal # is 82799, if you want to have a look. There is no budgetary request along with this. In the budget documents, we have \$500 in there in each of the next four years for stationery and brochures, etc.

Best wishes,

Jake

•••

Subject: Re: updated liaison?

From: Bernardin, Susan - To: Hamblin, Jacob - Cc: - Date: May 17, 2019 at 9:41 AM, Attachments: HPS CAT I proposal revised May 2019.docx

Dear Jake,

This email offers my full support to the long-deferred and needed proposal to rename the MA/MS/PhD in History of Science to History and Philosophy of Science. It just makes sense.

Best,

Susan Bernardin Director School of Language, Culture, & Society

Dear Susan,

Some years ago (2011!) when the History Department and Philosophy Department merged together as the School of History, Philosophy, and Religion, we put forward a proposal to rename the MA/MS/PhD in History of Science, and make it History and Philosophy of Science. This was supported by Larry Rodgers and all our faculty but it got bogged down in the proposal system. Last month, SHPR decided to nudge the proposal along in the system so that we can finally achieve this name change and better integrate philosophy of science faculty into the graduate program.

The proposal has passed the Budget committee, and the Graduate Council is ready to approve it if we can update a few things such as transmittal sheet and liaisons. Given that some of your faculty have participated in our grad committees, and we see strong links with SLCS faculty in general, it would be helpful have an email confirmation of support from you. Susan Shaw wrote one for SLCS years ago, but it would be helpful to have an updated confirmation of support. I recently revised the proposal in minor ways to reflect current faculty, and that document is attached here.

Best wishes,

Jake

...

Subject: RE: updated liaison?

From: Valls, Andrew - To: Hamblin, Jacob - Cc: - Date: May 15, 2019 at 5:58 AM

Dear Jake,

This is just a quick note to say that the School of Public Policy continues to wholeheartedly support the proposal to create a graduate program in the History and Philosophy of Science. We look forward to seeing the program up and running. Please let me know if there's anything that we can do to help.

Best wishes,

Andrew

Andrew Valls Associate Professor of Political Science Interim Director, School of Public Policy

Book: <u>Rethinking Racial Justice</u> Academia.edu page <u>here</u>.

From: Hamblin, Jacob

Sent: Friday, May 10, 2019 4:47 PM

To: Valls, Andrew

Subject: updated liaison?

Dear Andrew,

Some years ago (2011!) when the History Department and Philosophy Department merged together as the School of History, Philosophy, and Religion, we put forward a proposal to rename the MA/MS/PhD in History of Science, and make it History and Philosophy of Science. This was supported by Larry Rodgers and all our faculty but it got bogged down in the proposal system. Last month, SHPR decided to nudge the proposal along in the system so that we can finally achieve this name change and better integrate philosophy of science faculty into the graduate program.

The proposal has passed the Budget committee, and the Graduate Council is ready to approve it if we can update a few things such as transmittal sheet and liaisons. Given that SPP faculty members work on areas of science and policy, you are a natural liaison for this. Denise Lach wrote an endorsement years ago and it would be helpful to have a current one. I recently revised the proposal to reflect current faculty (attached).

Best	

Jake

•••

From: Betjemann, Peter - To: Hamblin, Jacob - Cc: - Date: May 17, 2019 at 9:53 AM

Hi Jake,

SWLF supports this proposal. Do you need something more formal than that?

Thanks,

Peter

From: Hamblin, Jacob < Jacob. Hamblin@oregonstate.edu>

Sent: Friday, May 10, 2019 4:44 PM

To: Betjemann, Peter < Peter. Betjemann@oregonstate.edu>

Subject: Updated liaison?

Hi Peter.

Some years ago (2011!) when the History Department and Philosophy Department merged together as the School of History, Philosophy, and Religion, we put forward a proposal to rename the MA/MS/PhD in History of Science, and make it History and Philosophy of Science. This was supported by Larry Rodgers and all our faculty but it got bogged down in the proposal system. Last month, SHPR decided to nudge the proposal along in the system so that we can finally achieve this name change and better integrate philosophy of science faculty into the graduate program.

The proposal has passed the Budget committee, and the Graduate Council is ready to approve it if we can update a few things such as transmittal sheet and liaisons. Given that some of your faculty have participated in our grad committees (Malewitz, Olsen, Williams, Gottlieb), and we see strong links with SWLF faculty in general, it would be helpful have a confirmation of support from you. I recently revised the proposal to reflect current faculty.

The proposal # is 82799, if you want to have a look. There is no budgetary request along with this. In the budget documents, we have \$500 in there in each of the next four years for stationery and brochures, etc.

Best wishes,

Jake

Jacob Darwin Hamblin Professor of History Director, Environmental Arts and Humanities Oregon State University

Office location: 330B Ballard Extension Hall

Phone: <u>541-737-3503</u>

Mailing Address: School of History, Philosophy, and Religion Oregon State University 322 Milam Hall, 2520 SW Campus Way Corvallis, OR 97331 USA

<u>jacobdarwinhamblin.com</u> twitter: @jdhamblin

Estimated Costs and Sources of Funds for the Proposed Program

Total new resources required to handle the increased workload, if any. If no new resources are required, the budgetary impact should be reported as zero.

Institution: Oregon State University			Prepare one	page for each	of the first fou	ır years	
Program: History and Philosophy of Science			This page is for year:				
Academic year: 2019-2020			X One	□ Two	☐ Three	☐ Foui	•
	Column A From Current Budgetary Unit	Column B Institutional Reallocation from Other Budgetary Unit	Column C From Special State Appropriation Request	Column D From Federal Funds and Other Grants		Column F LINE ITEM TOTAL	Comments
Personnel]
Faculty (Include FTE)						\$0	
Graduate Assistants (Include FTE)						\$0	
Support Staff (Include FTE)						\$0	
Fellowships/Scholarships						\$0	1
OPE							1
Nonrecurring:						\$0	
Personnel Subtotal	\$0	\$0	\$0	\$0	\$0		
Other Resources							
Library/Printed						\$0	
Library/Electronic						\$0	
Supply and Svcs:,stationary, mktg	\$500					\$500	Brochures, Web pages
Equipment						\$0	
Other Expenses						\$0	
Other Resources Subtotal	\$500	\$0	\$0	\$0	\$0	\$500	
Physical Facilities							1
Construction						\$0	1
Major Renovation							
Other Expenses						\$0 \$0	1
Physical Facilities Subtotal	\$0	\$0	\$0	\$0	\$0		
							1

\$0

\$0

\$0

\$0

\$500

GRAND TOTAL

\$500

Estimated Costs and Sources of Funds for the Proposed Program

Total new resources required to handle the increased workload, if any. If no new resources are required, the budgetary impact should be reported as zero.

Institution: Oregon State University		Prepare one	page for each				
Program: History and Philosophy of Science		This page is					
Academic year: 2020-2021			☐ One	X Two	☐ Three	☐ Four	
	Column A From Current Budgetary Unit	Column B Institutional Reallocation from Other Budgetary Unit	Column C From Special State Appropriation Request	Column D From Federal Funds and Other Grants	Column E From Fees, Sales, and Other Income	Column F LINE ITEM TOTAL	Comments
Personnel							Assume inflation of 4%
Faculty (Include FTE)	\$0					\$0	
Graduate Assistants (Include FTE)	\$0					\$0	
Support Staff (Include FTE)	\$0					\$0	
Fellowships/Scholarships						\$0	
OPE	\$0					\$0	
Nonrecurring:						\$0	
Personnel Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	
Other Resources	·						
_ibrary/Printed						\$0	
Library/Electronic						\$0	
Supply and Svcs:,stationary, mktg	\$520					\$520	Brochures for recruitment
Equipment						\$0	
Other Expenses						\$0	
Other Resources Subtotal	\$520	\$0	\$0	\$0	\$0	\$520	
Physical Facilities							
Construction						\$0	
Major Renovation						\$0	
Other Expenses						\$0	
Dhysical Eacilities Subtotal	0.2	0.9	90	0.2	0.2	90	

\$0

\$0

\$0

\$0

\$520

GRAND TOTAL

\$520

Estimated Costs and Sources of Funds for the Proposed Program

Total new resources required to handle the increased workload, if any. If no new resources are required, the budgetary impact should be reported as zero.

Institution: Oregon State University		Prepare one					
Program: History and Philosophy of Science		This page is					
Academic year: 2021-2022			☐ One	□ Two	X Three	☐ Four	
	Column A From Current Budgetary Unit	Column B Institutional Reallocation from Other Budgetary Unit	Column C From Special State Appropriation Request	Column D From Federal Funds and Other Grants	Column E From Fees, Sales, and Other Income	Column F LINE ITEM TOTAL	Comments
Personnel							Assume inflation of 4%
aculty (Include FTE)	\$0					\$0	
Graduate Assistants (Include FTE)	\$0					\$0	
Support Staff (Include FTE)	\$0					\$0	
Fellowships/Scholarships						\$0	
OPE	\$0					\$0	
Nonrecurring:						\$0	
Personnel Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	
Other Resources							
Library/Printed						\$0	
Library/Electronic						\$0	
Supply and Svcs:,stationary, mktg	\$540					\$540	Brochures for recruitment
Equipment						\$0	
Other Expenses						\$0	
Other Resources Subtotal	\$540	\$0	\$0	\$0	\$0	\$540	
Physical Facilities							
Construction						\$0	
Major Renovation						\$0	
Other Expenses						\$0	
Dhysical Essilities Cubtatel	¢0	¢0	¢0	¢0	¢n	¢ο	

\$0

\$0

\$0

\$0

\$540

GRAND TOTAL

\$540

Estimated Costs and Sources of Funds for the Proposed Program

Total new resources required to handle the increased workload, if any. If no new resources are required, the budgetary impact should be reported as zero.

Institution: Oregon State University		Prepare one					
Program: History and Philosophy of Science		This page is					
Academic year: 2022-23			☐ One	□Two	☐ Three	X Fou	r
	Column A From Current Budgetary Unit	Column B Institutional Reallocation from Other Budgetary Unit	Column C From Special State Appropriation Request	Column D From Federal Funds and Other Grants	Column E From Fees, Sales, and Other Income	Column F LINE ITEM TOTAL	Comments
Personnel							Assume inflation of 4%
Faculty (Include FTE)	\$0					\$0	
Graduate Assistants (Include FTE)	\$0					\$0	
Support Staff (Include FTE)	\$0					\$0	
Fellowships/Scholarships						\$0	
OPE	\$0					\$0	
Nonrecurring:						\$0	
Personnel Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	
Other Resources							
_ibrary/Printed						\$0	
Library/Electronic						\$0	
Supply and Svcs:,stationary, mktg	\$562					\$562	Brochures for recruitment
Equipment						\$0	
Other Expenses						\$0	
Other Resources Subtotal	\$562	\$0	\$0	\$0	\$0	\$562	
Physical Facilities							
Construction						\$0	
Major Renovation						\$0	
Other Expenses						\$0	
Physical Facilities Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	

\$0

\$0

\$0

\$0

\$562

GRAND TOTAL

\$562