

10-111

LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate
		09-40p.	Rev App 2/16/10 App 3-15-11	T-3/23/10 App 3-22-11

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person(s) David Pistole & B. Gail Wilson	Email Address dpistole@iup.edu bgwilson@iup.edu
Proposing Department/Unit Liberal Studies	Phone 357-5715, 357-2612, 357-3210

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply)		
☐ New Course	☐ Course Prefix Change	☐ Course Deletion
☐ Course Revision	☐ Course Number and/or Title Change	☐ Catalog Description Change
<u>Current</u> Course prefix, number and full title		<u>Proposed</u> course prefix, number and full title, if changing
2. Additional Course Designations: check if appropriate		
☐ This course is also proposed as a Liberal Studies Course.		☐ Other: (e.g., Women's Studies, Pan-African)
☐ This course is also proposed as an Honors College Course.		
3. Program Proposals		
☐ New Degree Program	☐ Program Title Change	☒ Other
☐ New Minor Program	☐ New Track	Liberal Studies Criteria for Scientific Literacy CAC
<u>Current</u> program name		<u>Proposed</u> program name, if changing
4. Approvals		
Department Curriculum Committee	N/A	Date
Chair(s)		
LIBERAL STUDIES Department Chair(s)	D. H. Pistole	1/11/10
College Curriculum Committee	N/A	
Chair		
College Dean	D. H. Pistole	1/11/10
Director of Liberal Studies *	D. H. Pistole	1/11/10
Director of Honors College *		
Provost *	Heidi Strommen	1/19/10
Additional signatures as appropriate:		
(include title)		
UWUCC Co-Chairs	Gail Schuist	3-15-11 2/16/10

*Revised as designation under
LS Electives see 10-65*

Received

JAN 11 2010

Liberal Studies

Explanation of Revisions to Liberal Studies Information Packet

Criteria for Liberal Studies curriculum categories and courses are being added and/or revised to address the revisions made to the Liberal Studies curriculum, the revised Liberal Studies Curriculum Framework and the approved Expected Undergraduate Student Learning Outcomes approved by University Senate and the IUP Council of Trustees.

These criteria will be implemented along with the revised Liberal Studies curriculum framework in Fall 2011 for incoming first year students. Students enrolled at IUP prior to Fall 2011 will be transitioned out of the current program and curriculum exceptions will be made as needed to accommodate those students.

The criteria outlined in this document were developed in large part by subcommittees of university personnel who wrote guidelines for each category and were then later reviewed by departments and interested individuals. At the start of the fall 2009 semester, these criteria were posted on the Liberal Studies web site and open to campus-wide feedback. The Liberal Studies Committee has considered all the comments received and has completed a final edit of these criteria.

Included in this curriculum proposal are the criteria for the Scientific Literacy Competency-Across-the-Curriculum.

Scientific Literacy Competency-Across-the-Curriculum

The Scientific Literacy CAC can be accomplished in any part of a student's curriculum including major courses, electives and other Liberal Studies courses with the exception of First Year Seminar and the Natural Science courses taken to fulfill the Liberal Studies Knowledge Area requirement. Students who successfully complete an additional Natural Science course, beyond the minimum Liberal Studies requirement of 7 to 8 credits, will have met the Scientific Reasoning CAC.

Scientific Literacy CAC Expected Undergraduate Student Learning Outcomes

Syllabi for courses designed to fulfill the Scientific Literacy Competency-Across-the-Curriculum requirement must provide course content that enables students to achieve the Expected Undergraduate Student Learning Outcomes identified below. Course proposals may identify additional objectives from the list of Expected Undergraduate Student Learning Outcomes as appropriate to the course content.

As *Informed Learners* students will demonstrate knowledge and understanding of:

- the interrelationships within and across disciplines

As *Empowered Learners* students will demonstrate:

- problem solving skills using a variety of methods and tools
- information literacy skills including the ability to access, evaluate, interpret and use information from a variety of sources
- critical thinking skills including analysis, application and evaluation

As *Responsible Learners*

- an understanding of the ethical and behavioral consequences of decisions and actions on themselves, on society and on the physical world

Scientific Literacy CAC Required Course Content

Proposals for courses designed to fulfill the Scientific Literacy Competency-Across-the Curriculum must:

- have at least 50% of the course content be scientific domain knowledge as employed in the investigation of the course subject matter
- investigate relevance, application, and impact of science to student's life or field of study
- apply problem solving and critical thinking skills
- transform information to explore hypotheses and draw conclusions

Additionally, Scientific Literacy Competency-Across-the Curriculum courses:

- may be laboratory or non-laboratory
- may incorporate content from disciplines outside the College of Natural Science and Mathematics

Scientific Literacy CAC Learning Objectives

All courses meeting this competency will establish the following common learning objectives:

At the conclusion of the courses students should be able to:

- use the scientific methodology to identify sources of data and to collect and process data from a variety of sources
- develop an understanding of the importance of science as applied to issues in their field of study

From: "David H Pistole" <dpistole@iup.edu>

Subject: Scientific Literacy CAC

Date: Fri, 4 Dec 2009 10:10:24 -0500

To: "Mary Lou Zanich" <mlzanich@iup.edu>, "Sandra J. Newell" <sjnewell@iup.edu>

Cc: "Gail Wilson" <Bgwilson@iup.edu>

Mary Lou and Sandy, Here are the revisions to the scientific literacy CAC. If you could please review and get comments back by the 17th of December I would appreciate it. I am planning on meeting with each of you in the next few days to discuss the concerns about the review of the courses for this area and a few other issues that arose. Thank you.

David