

10-11j

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		09-40g	App 2/16/10 Rev App 3-15-11	T-3/23/10 App 3-22-11

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

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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

Current Course prefix, number and full title Proposed 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 Catalog Description Change Program Revision

New Minor Program Program Title Change Other

New Track Liberal Studies Criteria for Quantitative Reasoning CAC

Current program name Proposed program name, if changing

Revised as designation under LS Electives see 10-65

4. Approvals		Date
Department Curriculum Committee	N/A	
Chair(s)		
LIBERAL STUDIES Department Chair(s)	Dr H. Pistole	1/11/10
College Curriculum Committee	N/A	
Chair		
College Dean	Dr H. Pistole	1/11/10
Director of Liberal Studies *	Dr H. Pistole	1/11/10
Director of Honors College *		
Provost *	Geoff Strommen	1/19/10
Additional signatures as appropriate: (include title)		
UWUCC Co-Chairs	Gail Schust Rev	3-15-11 2/16/10

Received

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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 Quantitative Reasoning Competency-Across-the-Curriculum.

Quantitative Reasoning Competency-Across-the-Curriculum

The Quantitative Reasoning 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 Mathematics course taken to fulfill the Liberal Studies Learning Skills requirement. Students who successfully complete an additional Mathematics course, beyond the minimum Liberal Studies requirement of 3 to 4 credits, will have met the Quantitative Reasoning CAC.

Quantitative Reasoning CAC Expected Undergraduate Student Learning Outcomes

Syllabi for courses designed to fulfill the Quantitative Reasoning 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 ways of modeling the natural, social and technical worlds

As *Empowered Learners* students will demonstrate:

- problem solving skills using a variety of methods and tools
- critical thinking skills including analysis, application and evaluation

Quantitative Reasoning CAC Required Course Content

Proposals for courses designed to fulfill the Liberal Studies Quantitative Reasoning Competency Courses must:

- engage students in the interpretation, analysis and use of numerical and graphical data
- apply quantitative techniques to address problems within a specific discipline
- develop logical and deductive reasoning

Individuals proposing courses to meet the Quantitative Reasoning Competency Across-the-Curriculum are encouraged to include course content that will:

- promote the understanding and use of mathematical formulas
- use technology as a tool in problem solving
- enable students to apply quantitative reasoning to practical problems across multiple disciplines

Quantitative Reasoning CAC Common Learning Objectives

All courses proposed to fulfill the competency will establish the following common learning objectives:

At the conclusion of the course the student should be able to:

- interpret, analyze and use numerical data and graphs
- apply quantitative reasoning and/or methodology to a problem within a specific discipline
- critically assess the validity of an argument based on quantitative analysis