

Curriculum Proposal Cover Sheet

LSC Use Only Proposal No:
LSC Action-Date:

UWUCC Use Only Proposal No: 12-119c
UWUCC Action-Date: App-4/9/13

Senate Action Date: App-4/30/13

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person(s) Andrew Feng Zhou	Email Address fzhou@iup.edu
Proposing Department/Unit Physics/	Phone 724-357-4593

Check all appropriate lines and complete all information. Use a separate cover sheet for each course proposal and/or 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 EOPT 210 Detection and Measurement

Proposed course prefix, number and full title, if changing:

2. Liberal Studies Course Designations, as appropriate

☐ This course is also proposed as a Liberal Studies Course (please mark the appropriate categories below)
☐ Learning Skills ☐ Knowledge Area ☐ Global and Multicultural Awareness ☐ Writing Intensive (include W cover sheet)
☐ Liberal Studies Elective (please mark the designation(s) that applies – must meet at least one)
 ☐ Global Citizenship ☐ Information Literacy ☐ Oral Communication
 ☐ Quantitative Reasoning ☐ Scientific Literacy ☐ Technological Literacy

3. Other Designations, as appropriate

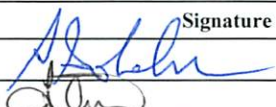
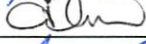
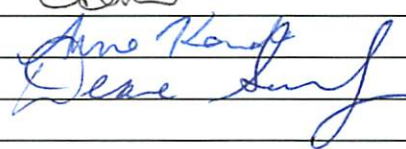
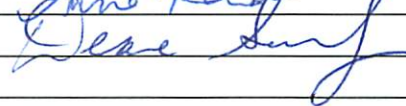
☐ Honors College Course ☐ Other: (e.g. Women's Studies, Pan African)

4. Program Proposals

☐ Catalog Description Change ☐ Program Revision ☐ Program Title Change ☐ New Track
☐ New Degree Program ☐ New Minor Program ☐ Liberal Studies Requirement Changes ☐ Other

Current program name:

Proposed program name, if changing:

5. Approvals	Signature	Date
Department Curriculum Committee Chair(s)		2/11/13
Department Chairperson(s)		2/11/13
College Curriculum Committee Chair		4/2/13
College Dean		4/3/13
Director of Liberal Studies (as needed)		
Director of Honors College (as needed)		
Provost (as needed)		
Additional signature (with title) as appropriate		
UWUCC Co-Chairs		4/9/13

Received

APR 4 2013

Liberal Studies

Description of Pre/Co-Requisite Change when course content is not altered

Part I – Curriculum Proposal Cover Sheet (above)

Part II – Description of Curriculum Change

1. New catalog description

EOPT 210 Detection and Measurement

2c-3l-3cr

Corequisite or Prerequisite: PHYS 112 or 132

Covers electronic amplification, optical detectors, and the measurement of small distances using interference effects. Operational amplifiers are used to build circuits to measure the output of photon and thermal detectors. In order to accurately measure properties such as wavelengths, absorption of wavelengths, defects in lenses, prisms, and flat plates, the following instruments are used by the students: monochromators, spectrophotometers and interferometers. Includes a lab component.

2. Listing of proposed change

- The prerequisites of “EOPT 120 , EOPT 125” will be removed.
- The prerequisites of “PHYS 112 or PHYS 132” will be added.

Old catalog description

EOPT 210 Detection and Measurement

2c-3l-3cr

Prerequisite: EOPT 120, 125

Covers electronic amplification, optical detectors, and the measurement of small distances using interference effects. Operational amplifiers are used to build circuits to measure the output of photon and thermal detectors. In order to accurately measure properties such as wavelengths, absorption of wavelengths, defects in lenses, prisms, and flat plates, the following instruments are used by the students: monochromators, spectrophotometers and interferometers. Includes a lab component.

3. Justification for change

The electro-optics program is moving from the Northpointe campus to the Indiana Campus. As a result, some courses offerings will be changed. PHYS 112 and PHYS 132 cover the same necessary material as EOPT 120 and EOPT 125, so they will serve as a pre-requisite. Content in EOPT 125 laboratory class is necessary for electro-optics students and will be covered in a new course, EOPT 130, which will be subsequently added to the program. This content is not necessary for EOPT 210. EOPT 120 and 125 will eventually be deleted from the catalog.

Part III – Letter of Support is not necessary, there is no impact on any other department.