LSC Use Only
Number: _____
Action: _____
Date: _____

UWUCC Use Only
Number: 92-47
Action: App
Date: 4/15/93
Senate App 5/4/93

CURRICULUM PROPOSAL COVER SHEET
University–Wide Undergraduate Curriculum Committee

I. **Title/Author of Change**

Course/Program Title: <u>PY 476 Physics of Semiconductor Devices II</u>
Suggested 20 Character Course Title: <u>SEMICONDCTR DEV II</u>
Department: <u>Physics</u>
Contact Person: <u>V. Wijekumar and R. Roberts</u>

II. **If a course, is it being Proposed for:**

_____ Course Revision/Approval Only
_____ Course Revision/Approval and Liberal Studies Approval
_____ Liberal Studies Approval Only (course previously has been
approved by the University Senate)

III. **Approvals**

Richard D. Roberts   _Dennis Whitson_
Department Curriculum Committee   Department Chairperson

_____   _W. J. Cole_
College Curriculum Committee   · College Dean *

_____   _____
Director of Liberal Studies   Provost (where applicable)
(where applicable)

> *College Dean must consult with Provost before approving
> curriculum changes. Approval by College Dean indicates that the
> proposed change is consistent with long range planning documents,
> that all requests for resources made as part of the proposal can be
> met, and that the proposal has the support of the university
> administration.

IV. **Timetable**

Date Submitted	Semester to be	Date to be
to LSC: _____	implemented:	published
	_____	in Catalog:
to UWUCC: _____		_____

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Part II.   Description of the Curriculum Change

1.   Catalog Description

PY 476 Physics of Semiconductor Devices II   3c-0l-3sh

Prerequisites: PY 475 or permission of instructor

This course discusses the physics and operation of a number of discrete devices. These include bipolar transistors, MOSFETS, JFETS, various diode technologies, photovoltaic and photoconductive devices, solid state lasers, and light-emitting diodes.

2.   A listing of the proposed change giving the old course or catalog description and the revised description.

The Physics Department wishes to place the following proposal before the College Wide Curriculum Committee (and ultimately the University Wide Undergraduate Curriculum Committee) for approval and inclusion in the undergraduate catalog in a timely manner.

a)   The catalog course description of PY 476 has been modified slightly. The term "CCDs" has been eliminated from the course description.

b)   Old Course or Catalog Description

PY 476 Physics of Semiconductor Devices II   3c-0l-3sh

Prerequisites: PY 475 or permission of instructor

This course discusses the physics and operation of a number of discrete devices. These include bipolar transistors, MOSFETS, JFETS, CCDs, various diode technologies, photovoltaic and photoconductive devices, solid state lasers, and light-emitting diodes.

c)   Revised Description

PY 476 Physics of Semiconductor Devices II   3c-0l-3sh

Prerequisites: PY 475 or permission of instructor

This course discusses the physics and operation of a number of discrete devices. These include bipolar transistors, MOSFETS, JFETS, various diode technologies, photovoltaic and photoconductive devices, solid state lasers, and light-emitting diodes.

3.   Justification/rationale for the Change.

a)   The term "CCDs" has been eliminated from the course description of PY 476 to provide a more in depth description of the other devices involved in the course description.

Part III.   Letters of Support

No other department is affected by this proposal.

Date: March 24, 1993

Subject: PY 476 Catalog Description

To: University Wide Undergraduate Curriculum Committee

From: Department of Physics *Dennis Whitson*

A listing of the proposed change giving the old course or catalog description and the revised description.

The Physics Department wishes to place the following proposal before the College Wide Curriculum Committee (and ultimately the University Wide Undergraduate Curriculum Committee) for approval and inclusion in the undergraduate catalog in a timely manner.

The catalog course description of PY 476 has been modified slightly. The term "CCDs" has been eliminated from the course description.

Old Course or Catalog Description

PY 476 Physics of Semiconductor Devices II   3c-0l-3sh

Prerequisites: PY 475 or permission of instructor

This course discusses the physics and operation of a number of discrete devices. These include bipolar transistors, MOSFETS, JFETS, CCDs, various diode technologies, photovoltaic and photoconductive devices, solid state lasers, and light-emitting diodes.

Revised Description

PY 476 Physics of Semiconductor Devices II   3c-0l-3sh

Prerequisites: PY 475 or permission of instructor

This course discusses the physics and operation of a number of discrete devices. These include bipolar transistors, MOSFETS, JFETS, various diode technologies, photovoltaic and photoconductive devices, solid state lasers, and light-emitting diodes.

Justification/rationale for the Change.

The term "CCDs" has been eliminated from the course description of PY 476 to provide a more in depth description of the other devices involved in the course description.