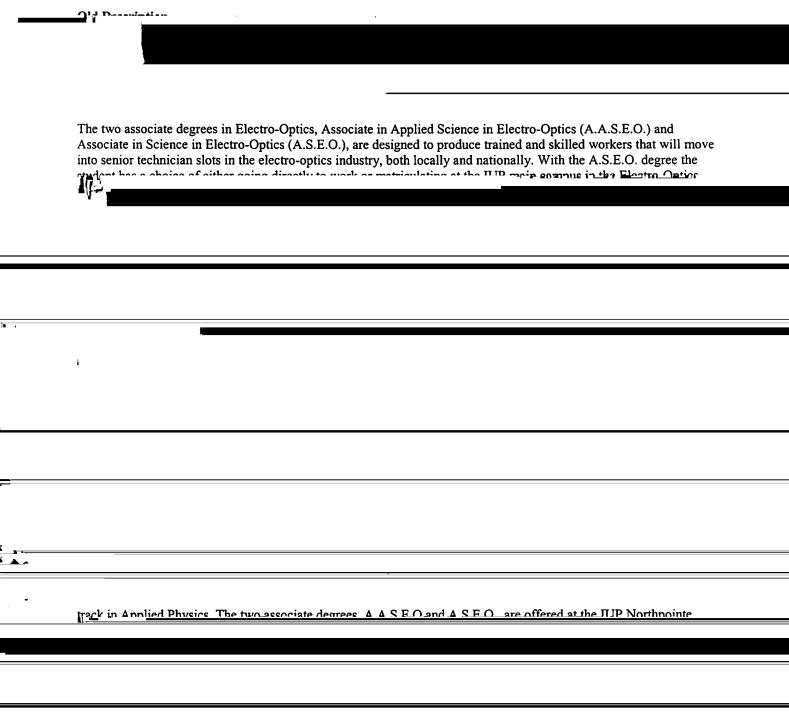


## Part I. Curriculum Proposal Cover Sheet (see above)

## Part II. Description of Curriculum Changes

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## 2. Summary of Changes

a. The Physics Department is modifying the A.S. degree to better prepare students to meet industry needs. Appropriate features from the former Associate in Applied Science in Electro-Optics degree (in moratorium) are being incorporated into the A.S. degree. The course changes suggested are listed in the table below.

	Title change	กได้• Flectro_Ontice	Masur Fleetre Ontice and Lacer Engineering Technology
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PHYS 115 Physics I for Electro-Optics 3cr EOPT 150 Fundamentals of Photonics and Laser Safety 3cr 3cr EOPT 210 Detection and Measurement **EOPT 240 Fiber Optics** PHYS 115 Physics I for Electro-Optics or PHYS 131 Physics I 3cr **EOPT 220 Introduction to Lasers** PHYS 116 Physics II for Electro-Optics or PHYS 132 Physics II 3cr MGMT 234 Introduction to Quality Control

Total Degree requirements:

**EOPT 240 Fiber Optics** 

Two courses from the following:

EOPT 250 High-Vacuum Technology EOPT 260 Industrial Applications of Lasers

64 Total Degree requirements:

requirement

Other Requirements:

One PHYS or EOPT Elective - PHYS 100 will satisfy this

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62-63

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## Revised 4/18/11 ss- passed NSM 4-11

choose to pursue the B.S. in Physics / Electro-Optics will need to take MATH 125 at the Indiana Campus to align with the B.S. Physics/ Electro Optics Track.

PHYS 131/132 as an alternative to PHYS 115/116 – PHYS 115/116 is offered at Northpointe to serve the largest number of students. It is a suitable course for the typical optical technician who will earn the A.S. Students choosing to pursue the four year degree from the beginning would take the PHYS 131/132 sequence instead of the PHYS 115/116 sequence.

	Part III. Implementation. Provide answers to the following questions:  1. How will the proposed revision affect students already in the existing program?
1	<u>Philippe in</u> the magness will be able to take the new classes in along of the alds the demonstrated will write the
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Revised 4/18/11 ss- passed NSM 4-11
Part V. Course Proposals
The new courses have passed the UWUCC at this time.
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Attached below are four emails that indicate the supports to the changes related to SAFE 100, MGMT 234,
MATH 110/Math 121 and CHEM 101/CHEM 111.
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To: Feng Zhou

Subject: Re: Course SAFE 145 offered for the EO program at Northpointe campus

I approve this change!

---- Original Message -----

From: Feng Zhou

**T**.

To: Lon.Ferguson@iup.edu

Gr. Na Kaniastv. Devki Talwar

Sent: Tuesday, April 13, 2010 12:01 PM

Subject: Course SAFE 145 offered for the EO program at Northpointe campus

Dear Dr. Lon Ferguson, Chair of Department of Safety Sciences,

So far the SAFE 145 has been a mandatory for our Electro-Ontics AASEO and ASEO 2 Yr degree students.

I have heard from a majority in my Department; they have no objection in your removing this course from your curriculum.

If this email is not sufficient, please let me know and I will be glad to write a letter. Best wishes, rgs

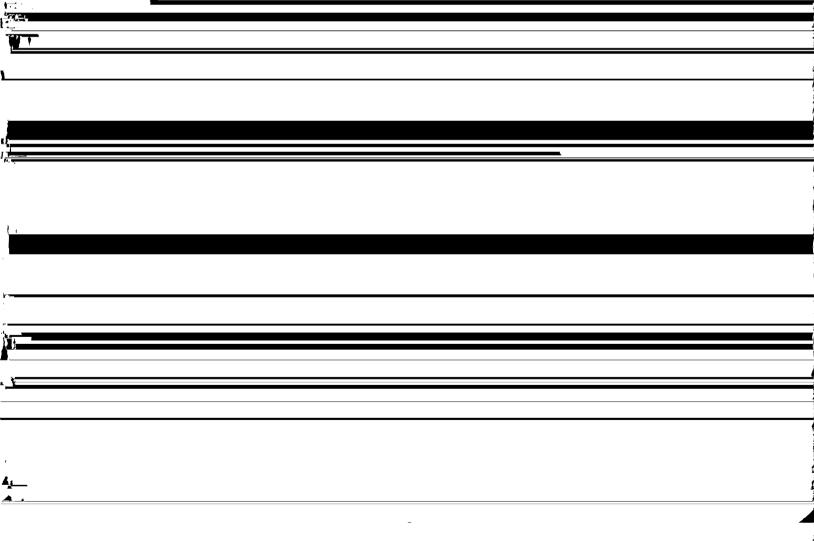
Ramesh G. Soni, Ph.D., Chair & Professor,

Management Dept, 304A Eberly COBIT (IUP)	(www.eberly.iup.edu/rgsoni/)
Indiana, PA 15705 USA	Office Hours: Mon: 10am to 11:15am Tue: 10:50am to 12:05pm; Wed: 9:30
Ph. 724 357 7786; Fax 724 357 5743	am to 12:00 noon

On 4/7/2010 8:38 PM, Feng Zhou wrote:

Dear Dr. Ramesh Soni, Chair of Department of Management,

So far, the MGMT 234 has been a mandatory for our Electro-Optics AASEO and ASEO 2 Yr degree students. The course had been offered every year at the Northpointe Campus in the past since 2003. However, due to a relatively small size of the class and tight budgetary conditions, offering MGMT



has decided to replace this course with contents that are more closely related to emerging EO technology, in order to make the EO program compact and attractive – more importantly for our students to graduate ontime. I am, therefore, writing you this email to get your support for this change in the EO AASEO and ASEO program.

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On Feb 09, 2011, at 7:46 PM, "Feng Zhou" < fzhou@iup.edu > wrote:

Dear Dr Francisco Alarco,

As you are aware, the existing AASEO and ASEO programs at IUP Northpointe Campus will consolidate to one ASEO program. Right now, we are working on the ASEO program revision. As we noticed, there were a lot of EO students who failed the Math 121 course in the past. Considered this, we would like to change the Math requirement for the ASEO program from MATH 121 to MATH 110. However, we will keep the MATH requirement for the Bachelor degree unchanged, which means, if the student wants to pursue a

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<b>A</b> 7.		
		If this is ok with you, please drop me a short email to indicate your support to this change. Your support would be very much appreciated.
		Feng Zhou, PhD EO Program Coordinator, Department of Physics Indiana University of Pennsylvania 167 Northpointe Blvd Freeport, PA 16229 Tel: 724 294 3300 x 27; Fax: 724 294 3310
	(d)	Dr John Woolcook, the Chair of Chemistry Department, agreed the use of CHEM 101 as an alternative for CHEM 111.
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