

# Cover Sheet: Request 15260

## ESI 3312 (Operations Research 1)

### Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Serdar Kirli kirli@ise.ufl.edu
Created	9/9/2020 12:41:39 PM
Updated	10/2/2020 9:41:10 PM
Description of request	Credit hours change to 3 (from 4) and course description change

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	ENG - Industrial and Systems Engineering 19060000	David Kaber	Part of overall ISE UG curriculum revision. Reduced credits for OR1 and OR2 will ultimately be accompanied by introduction of OR3 (advanced methods) as UG elective.	9/9/2020
Operations Research 1 syllabus.docx					9/9/2020
College	Approved	ENG - College of Engineering	Heidi Dublin	Approved by the HWCOE Curriculum Committee	10/2/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			10/2/2020
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

## Course|Modify for request 15260

### Info

**Request:** ESI 3312 (Operations Research 1)

**Description of request:** Credit hours change to 3 (from 4) and course description change

**Submitter:** Serdar Kirli kirli@ise.ufl.edu

**Created:** 9/17/2020 5:16:18 PM

**Form version:** 3

### Responses

**Current Prefix** ESI

**Course Level** 3

**Number** 312

**Lab Code** None

**Course Title** Operations Research 1

**Effective Term** Fall

**Effective Year** 2021

**Requested Action** Other (selecting this option opens additional form fields below)

**Change Course Prefix?** No

**Change Course Level?** No

**Change Course Number?** No

**Change Lab Code?** No

**Change Course Title?** No

**Change Transcript Title?** No

**Change Credit Hours?** Yes

**Current Credit Hours** 4

**Proposed Credit Hours** 3

**Change Variable Credit?** No

**Change S/U Only?** No

**Change Contact Type?** No

**Change Rotating Topic Designation?** No

**Change Repeatable Credit?** No

**Change Course Description?** Yes

**Current Course Description** Introduces optimization modeling, algorithms, and software to aid in the analysis and solution of decision-making problems.

**Proposed Course Description (500 characters max)** Introduces deterministic optimization modeling, algorithms, and software to aid in the analysis and solution of decision-making problems.

**Change Prerequisites?** No

**Change Co-requisites? No**

**Rationale Credit Hours Change:**

This request is in conjunction with a curriculum revision request that has been filed simultaneously. As part of the curriculum re-organization, an ISE core is being defined that contains among other courses Operations Research 1 (this course) and Operations Research 2, both of which are being reduced to 3 credits. For students who would like to explore this area in more depth, a third Operations Research course will be available as a restricted elective. Operations Research 1 and Operations Research 2, as ISE Core courses, will focus on core fundamental concepts whereas more advanced topics will be moved into the third course (restricted elective).

This move is in line with how a large majority of ISE departments handle their Operations Research course sequence.

**Course Description Change:**

The only change is the addition of the word "deterministic" to emphasize that this course focuses specifically on deterministic optimization. Stochastic optimization is covered in Operations Research 2.

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