DECISION ACADEMIC

Lakehead University
Faculty of Engineering

REQUEST REPORT

Request Tracking Number: 2013-ENG-815
Request Title: Civil 3452

Request Effective Date: Fall 2013
Request Status: In Workflow
Request can't be split

Request Contents

Type		Title
1.	New Version of a Course	Finite Element Methods

Request History

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Laura Parker	Yes	Submitted to workflow	01/30/2013
Dean and Faculty Council Review Stage	Approved	David Barnett	No	approved	01/30/2013

Supporting Documents

File Name	Uploaded By	Upload Date	Size

Supporting Documents Audit Trail

File Name	User	Date	Action

Notes

Date	User	Note

1.	New Version of a Course	Engineering 3452 - Finite Element Methods

Course Details

CURRENT VERSION	PROPOSED VERSION
Engineering 3452 - Finite Element Methods **Start Term:** Fall 2012 **End Term:** No Specified End Date	Engineering 3452 - Finite Element Methods **Start Term:** Fall ~~2012~~*2013* **End Term:** No Specified End Date

Course Details	
CURRENT VERSION	**PROPOSED VERSION**
Code Engineering 3452	**Code** Engineering 3452
Title Finite Element Methods	**Title** Finite Element Methods
Description Introduction to the finite element method of analysis of one and two-dimensional time independent and time dependent type problems. Applications from selected topics in solid mechanics, fluid mechanics, soil mechanics and thermodynamics. Computer programming and applications. Introduction to ANSYS.	**Description** Introduction to the finite element method of analysis of one and two-dimensional time independent and time dependent type problems. Applications from selected topics in solid mechanics, fluid mechanics, soil mechanics and thermodynamics. Computer programming and applications. Introduction to ANSYS.
Credits 0	**Credits** 0
End Term No Specified End Date	**End Term** No Specified End Date
Institution Lakehead University	**Institution** Lakehead University
Faculty Faculty of Engineering	**Faculty** Faculty of Engineering
CreditWeight 0.5	**CreditWeight** 0.5
Rationale	**Rationale** *The addition of a one-hour computer modeling lab to enhance students' learning in this course through hands-on lab exercises in computer programming for structural analysis using finite element software. For CEAB accreditation purposes, the requested change will not only add 0.5 AU to the Academic Unit count in the Civil Engineering program but also improve the Civil Engineering curriculum in "investigation" and "use of engineering tools", attributes required by CEAB.*
Requiredor Elective	**Requiredor Elective**
Cross List	**Cross List**

Offering 0-0; 3-0	**Offering** 0-0; 3-~~0~~*1*
Prerequisites	**Prerequisites**
Corequisites	**Corequisites**
Notes	**Notes**
SpecialTopicDropdown	**SpecialTopicDropdown**
GradeSchemePF	**GradeSchemePF**
EffectonEnrolmentINIT	**EffectonEnrolmentINIT** *NO*
EffectonEnrolmentOTHER	**EffectonEnrolmentOTHER** *NO*
AdditionalTeachingSpace	**AdditionalTeachingSpace** *NO*
EffectonTeachingLoads	**EffectonTeachingLoads** *NO*
EffectonServices	**EffectonServices** *NO*
DirectinkindSupport	**DirectinkindSupport** *NO*