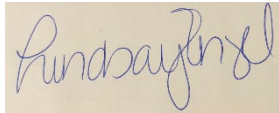





CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Practical Elements of Mechanical Engineering		
Program Number: PEM1	Date Submitted: 3/26/2021	
Dean responsible for program: Steve Patterson	Associate Dean: Lindsay Engel	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input checked="" type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 20201	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 11/15/2016	
<i>I have read the reasons for the change and...</i>	<i>Signature and date</i>	
Associate Dean of School:	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 29, 2021
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 26, 2021
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 30, 2021
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 March 29, 2021
Office of the Registrar:	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	

Notes:

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary), Appendix B and amend SDAR (Refer to Appendix C).

2.0

PEM1 requires a Curriculum Modification in order to revert to the old DA now that the program is returning to a hybrid delivery for the Summer 2021 intake. The program was required to change their DA for one semester in Winter 2021 while the College was still operating with reduced face-to-face courses due to COVID-19 protocols, and there was some uncertainty about international students being able to come to Canada to attend classes. The program proposes to remove the split-up courses that were created to separate the online theoretical components from the face-to-face practical components and place those courses back in the customary semesters. This proposed change reverses the one-off offering due to the COVID-19 pandemic and is in keeping with the plans made prior to the 21W delivery.

Reason/Rationale for Changes

2.1 The reason for the change is based on:

- A recent program review
- Program Advisory Committee feedback
- Student feedback
- KPI results
- Accreditation or other regulatory requirements
- Shared curriculum
- Trends in the field/industry
- Other (please describe): COVID-19 Protocols

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- Yes
- No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- Goal 1 – Enhance innovative practices for exceptional student learning
- Goal 2 – Manage enrolment growth
- Goal 3 – Optimize use of resources
- Goal 4 – Build sustainable sources of alternative revenue

3.0 Students

3.1 Will the change affect the cost of the program for students?

- Yes
- No

3.2 If yes, there will be an additional cost for:

- Materials (Include details):
- Equipment (Include details):
- Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

- Yes
- No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

- No
- Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

- No
- Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

- Lawrence Kinlin School of Business
- School of Information Technology
- School of Contemporary Media
- School of Design
- School Digital and Performing Arts
- School of Tourism, Hospitality and Culinary Arts
- School of Community Studies
- School of Health Sciences
- School of Nursing
- School of Public Safety

- Donald J. Smith School of Building Technology
- Norton Wolf School of Aviation Technology
- School of Applied Sciences and Technology
- School of Transportation Technology and Apprenticeship
- School of Language and Liberal Studies
- English Language Institute
- London South Campus
- Simcoe/Norfolk Regional Campus
- St Thomas/Elgin Regional Campus
- Woodstock/Oxford Regional Campus
- Huron/Bruce Regional Sites

5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

- No
- Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

- No
- Yes (If yes, consult with the Co-op office prior to submission)

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

- No
- Yes (If yes, please explain)

6.2 Will the proposed change impact any of the Enabling areas?

- No
- Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

- No
- Yes (If yes, please explain): The lab times in Levels 1 and 2 will return to the “usual” amount required for a “normal” delivery of this program, which means that there will be some lab time required in both semesters of the program. This was accounted for in the original planning.

7.0 General College Requirements

7.1 Are changes consistent with Colleges policies?

- Yes
 No (If no, please explain)

7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

- No
 Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
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7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- No
 Yes

Note: In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: 735
 ii) Total program hours after proposed change: 735
 iii) Level(s) in which the proposed change(s) occurs: Levels 1 and 2

7.4.1 Are the total program hours consistent with the requirements as listed below?

- Yes
 No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2100 hours
Graduate Certificate - 600 hours	DOAA – 120 to 200 hours

Degree Audit Report

Catalog: 2020/2021

Program: PEM1

Name: Practical Elements of Mechanical Engineering

Department: MAN - Applied Science and Technology

Academic Level: PS

CCD: 7 - 2AcadSem/600-700 hrs

Credential: Ontario College Graduate Cert

Grade Scheme: LG2

Major: PEM1 - Pract'l Elements of Mech'l Eng

Div: MAN - Manufacturing Sciences Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 36.00

Residency Reqmt: 9.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: PEM1.20 Practical Elements of Mechanical Engineering

Major: PEM1

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Year 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE	ACTION
CADD-1054	Eng Drawing & BP Reading	30.00	2.00		RETURN to Level 1
CADD-1055	CADD Fundamentals	45.00	1.50		RETURN to Level 1
MGMT-6098	Project Management	45.00	3.00		RETURN to Level 1
ENGR-1026	Engineering Design 1	75.00	3.50		RETURN to Level 1
METH-1002	Technology in Industry	45.00	3.00		RETURN to Level 2
MECH-1090	Tool Design 1	30.00	1.00		RETURN to Level 2
WELD-1047	Production Welding	60.00	3.00		RETURN to Level 2
MACH-1144	CNC Machining	75.00	3.50		RETURN to Level 2
MECH-6006	Industrial Automation	90.00	4.50		RETURN to Level 2
MECH-3035	Practical Project	45.00	2.00		RETURN to Level 2

Subrequirement: Add'l Requirement

Commented [MP1]: Revert to the normal DA using Levels as per every DA prior to 21W.

Commented [MP2]: Remove this Subrequirement once courses are placed back into their customary semesters.

Degree Audit Report

Take 1 of the following groups:
Group 1

			GE	ACTION
		Total Hours	Total Credits	
MACH-1124	Machining 1	45.00	2.00	RETURN to Level 1
WELD-1040	Welding Technology 1	45.00	2.00	RETURN to Level 1
MECH-1072	SPC & Metrology	60.00	3.00	RETURN to Level 1
MATS-1021	Ferrous Metallurgy	45.00	2.00	RETURN to Level 1

Group 2

		Total Hours	Total Credits	GE	ACTION
MACH-6003	Machining 1	15.00	1.00		REMOVE (No longer offered)
MECH-6007	SPC & Metrology 1	30.00	2.00		REMOVE (No longer offered)
WELD-6001	Welding Technology 1	15.00	1.00		REMOVE (No longer offered)
MATS-6002	Ferrous Metallurgy 1	15.00	1.00		REMOVE (No longer offered)
MACH-6004	Machining 2	30.00	1.00		REMOVE (No longer offered)
MECH-6008	SPC & Metrology 2	30.00	1.00		REMOVE (No longer offered)
WELD-6002	Welding Technology 2	30.00	1.00		REMOVE (No longer offered)
MATS-6003	Ferrous Metallurgy 2	30.00	1.00		REMOVE (No longer offered)

Commented [MP3]: This Group will no longer be in use for students beginning in 21S. Students will only be in Group 1.

Approved By Chair/Manager: _____

Department and Date: _____



Date: March 26, 2021

Approved by Dean: _____

General Education Approved By(as appropriate): _____

Date: _____