EDDT - 1500 - Manual Machining

2022-2023 Course Proposal - NEW

Read Before You Begin

FILL IN all fields required marked with an *.

ATTACH supporting documentation and complete the Acknowledgement section.

LAUNCH proposal by clicking Validate and Launch at the top. Once the proposal has been launched, approve the proposal to move the proposal forward in the workflow.

This course proposal form is to create a NEW a course, if you need to REVISE, SUSPEND, or DISCONTINUE a course please use the course proposal form designed for that purpose.

WHEN proposing a new course prefix or course number, please contact the Curriculum Coordinator to discuss availability of prefix and/or number.

Course Curriculum Outline		
Rationale*	Combine the previous MCCT 1500 and MCCT 1510 into one course. This replaces a previously started revised entry. The only changes here between the previous revised entry and this one are some updates due to comments.	
Division*	Natural Sciences & Engineering	
Prefix*	EDDT Number* 1500	
Course Title*	Manual Machining	
Long Course Title	Manual Machine Shop Theory and Lab	
Course Description*	Basic machine shop theory including: safety, setup and operation of lathes and mills, machine and tool performance, metrology, process planning, interpretation of engineering drawings, and an introduction to CNC equipment. Lab experience is included.	

Prerequisite(s):*	None
Recommended Prerequisite(s):*	None
Corequisite(s):*	None
Recommended Corequisite(s):*	None
Other Registration Restrictions*	None
Semesters Taught:*	 Fall Spring Summer
SLCC Equivalent Course(s):*	This is equivalent to MCCT 1500 (previous lecture component) and MCCT 1510 (previous lab component). These courses are slated to be discontinued.
Can this Course be Repeated for Additional Credit?*	If Yes. What's the
Is there an Equivalent (or Potentially Equivalent) Course at other USHE Institution(s)?*	If Yes, Explain:
General Educ	ation Designation
Is this Course Designed for General Education?*	 Yes No
If yes Indicate	\bigcirc Composition (EN) \bigcirc Quantitative Literacy (QL) \bigcirc American Institutions (AI)



Fine Arts (FA) Fine Arts Diversity (FA,DV) Humanities (HU)

Humanities (HU,DV) Life Sciences (LS) Life Sciences Diversity (LS,DV) Physical Sciences (PS)

Physical Sciences Diversity (PS,DV)

Social Sciences (SS) Social Sciences Diversity (SS,DV)

Human Relations (HR) Quantitative Studies (QS) Does this Course use
Credit Hours
Credit Hours or Clock
Hours?*

Fill out the appropriate section according to your response above:

Credit Hour Course		
Credit Hours: 3		
Contact Lecture: 2	Contact Lab/Other: 3	
Total Contact Hours: 5		
Clock Hour Course		
Clock Hours:	Billable Hours:	
Total Contact Hours:		

Course Learning Outcomes

SLCC College-Wide & General Education Student Learning Outcomes.

Complete the applicable fields below with the course-level student learning outcomes and indicate how they align to the SLCC College-Wide outcome in the text area.

Course-level learning outcomes may fit in several College-wide outcomes; select the best area(s) based upon the primary purpose of the course learning outcome. If the course does not include one or more of the College-wide outcomes, please leave text area blank.

See <u>SLCC Assessment webpage</u> for additional details about College-Wide Student Learning Outcomes.

Acquire Substantive Knowledge Learn and demonstrate industrial safety specific to the machine shop environment.

Develop part design improvements that would improve the manufacturability of an existing design.

Determine the most economical steps to produce parts manufactured in the machine shop.

Use SPC to determine the stability of a process.

Properly select and use metrology equipment found in a machine shop environment.

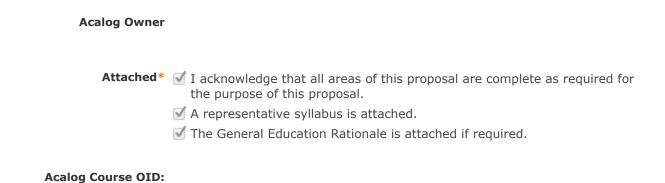
Correctly operate manual lathes and mills.

Communicate Effectively	Use proper machine shop terminology.
Develop Quantitative Literacies	Determine the most economical steps to produce parts manufactured in the machine shop. Calculate the cost of parts built in the machine shop.
Think Critically & Creatively	Develop part design improvements that would improve the manufacturability of an existing design.
Develop Civic Literacy & Become a Community Engaged Learner	N/A
Work in a Professional & Constructive Manner	N/A
Develop Computer & Information Literacy	Use SPC to determine the stability of a process.
Develop Lifelong Wellness	N/A

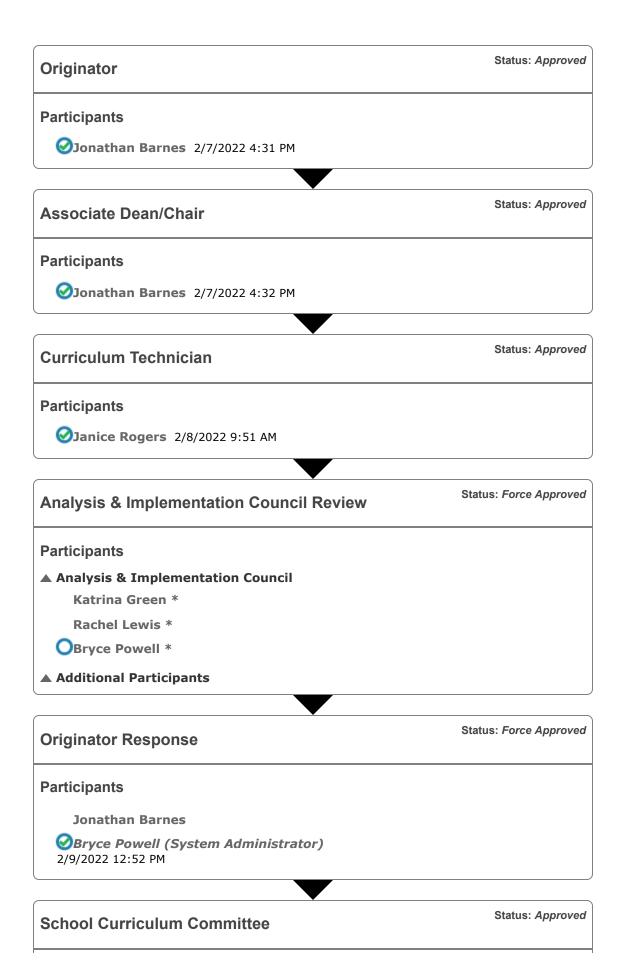
Acknowledgements and Attachments

Please attach any required files by navigating to the right side menu and clicking "Files". Record when this has been completed in the checkbox, below.

REMINDER: Revisions made to the *Course Learning Outcomes* will require an updated syllabus be completed and attached to this proposal.



Steps for EDDT - 1500 - Manual Machining



Participants

School Curriculum Committee

OJanice Rogers * 2/9/2022 12:53 PM

Senate Curriculum Committee

Status: Force Approved

Participants

▲ Senate Curriculum Committee <u>2022-02-14_SenateCurr_Proposals</u> Jenny Huynh *

Rachel Lewis *

Rebecca Lowell *

OBryce Powell *

▲ Additional Participants

Status: Force Approved **Faculty Senate Participants** ▲ Faculty Senate 2022-03-21_FacSenate_CurriculumProposals Jenny Huynh * Rachel Lewis * OBryce Powell * Additional Participants Status: Force Approved **Provost Participants** ORachel Lewis **Jason Pickavance Clifton Sanders W**Rachel Lewis (System Administrator) 3/22/2022 1:37 PM Status: Force Approved **Published to Catalog**

Participants

Rachel Lewis

Courtney Wood 5/6/2022 2:55 PM

CKatrina Green (System Administrator) 5/31/2022 10:05 AM

Attachments for EDDT - 1500 - Manual Machining

CCO_EDDT_1500_Syllabus.docx (uploaded by Jonathan Barnes, 2/7/2022 4:29 pm)