

**PORTERVILLE COLLEGE  
CURRICULUM PROGRAM REVIEW UPDATE**

Name of Division: Mathematics

Contact Person: E. Paden Burgess

*[Note: The information in this area will repeat on all pages.]*

Please submit this form to the Curriculum Committee **before** adding the course to eLumen when proposing a new Course or a new Program. Once the form is received, the course and/or program will be added as a discussion items at the next available Curriculum Committee meeting.

Please include this form as an attachment when submitting the course for final evaluation in eLumen.

All new Courses/Programs must be directly tied to the Institutional Goals, Strategic Plan, Educational Master Plan, General Education Outcomes, and Institutional Outcomes as appropriate through the Division Program Review.

Is this new Course/Program addressed in your current Program Review: YES \_\_\_\_\_ NO X \_\_\_\_\_

If YES, please attach the appropriate sections.

If NO, please complete the attached New Course/Program documents.

(For office use only)  
CONTENT REVIEW VOTE

PORTERVILLE COLLEGE

(For office use only)  
PROPOSAL VOTE

Date \_\_\_\_\_  
Yes \_\_\_\_\_  
No \_\_\_\_\_  
Abstaining \_\_\_\_\_

CURRICULUM COMMITTEE

Date \_\_\_\_\_  
Yes \_\_\_\_\_  
No \_\_\_\_\_  
Abstaining \_\_\_\_\_

# COURSE ADDITION

The items enumerated below are to assist you in filling out the Course Addition Form. Short descriptions and examples have been given to guide you in completing this form

## ATTACH COURSE OUTLINE

1. INITIATED BY 

E. Paden Burgess	Mathematics	Engineering
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Instructor Division Department

2. Subject 

ENGR
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 Number 

P150
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 Title 

Engineering Graphics
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Units 

3
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 Lecture Hours 

36
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 Lab Hours 

54
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Computer Assisted Instruction 

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 Distance Learning 

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## 3. CONTENT REVIEW

If a prerequisite, corequisite or recommended preparation is listed below, content review forms (entrance, exit and/or corequisite) must be included with this proposal. Forms are available on the web under the Curriculum Committee tab. **ALL INFORMATION BELOW MUST BE IDENTICAL ON THE ATTACHED COURSE OUTLINE.**

Prerequisite: 

MATH P101 or MATH P101A
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Corequisite: 

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Recommended Preparation: 

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## 4. CATALOG DESCRIPTION

Provide a draft of the course description as you wish it to appear in the catalog. **This must match the attached course outline.**

Prerequisite: MATH P101, MATH P101A or equivalent. Total lecture 36 hours, total laboratory 54 hours. This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop sketching and 2-D and 3-D CAD skills. The use of CAD software is an integral part of the course.
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## 5. REASON FOR ADDITION

Provide a concise statement as to why the course is being added. Be clear regarding the evidence of need for the addition of this course (e.g., articulation with other colleges/universities, student demand, recommendation from advisory committee or external accreditation review, campus program review).

Engineering students in three of the four concentrations need to complete graphics before transferring. Engineering graphics is a general-use engineering course designed for civil, mechanical, and aerospace engineering. More than half of our students fall into these concentrations and will need the course. Besides introduction to engineering, this is often one of the first courses taken by engineering students.
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6. **DESCRIBE ANY FISCAL IMPACT THIS ADDITION WILL HAVE ON THE DEPARTMENT, COLLEGE AND/OR DISTRICT:** Address significant changes in staffing, facilities, equipment, supplies, learning resources or state reimbursement (e.g. loss of eligibility for basic skills, matriculation, and/or other categorical funding). Example: Adding a component of computer assisted instruction to a class could mean a change in identification of facilities, the need to purchase computers and software and the need for additional staff.

**Computer Lab will be necessary.**

7. **CHECK ANY OF THE FOLLOWING CATEGORIES FOR WHICH THIS COURSE WILL BE USED.**

- a.  None
- b.  AA/AS Degree
- c.  Associate Degree for Transfer (ADT)
- d.  Area of Emphasis
- e.  Certificate of Achievement
- f.  Certificate of Proficiency

Course will be added as one of the options in Area B.

8. **GENERAL EDUCATION:** Forms for the appropriate Associate Degree area are available from Instructional Operations. CSU and IGETC requests approved by the Curriculum Committee are submitted each December for review by the specific four-year system office.

- a.  Not applicable
- b.  General Education – Associate Degree
- c.  General Education – CSU Certification
- d.  General Education – IGETC

Area	<input type="text"/>	Section	<input type="text"/>
Area	<input type="text"/>	Section	<input type="text"/>
Area	<input type="text"/>	Section	<input type="text"/>

9. **FOR ARTICULATION OFFICER USE ONLY:**

CSU Articulation Probability	<input type="checkbox"/> Yes	<input type="checkbox"/> No	UC Articulation Probability	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CSU Transfer Probability	<input type="checkbox"/> Yes	<input type="checkbox"/> No	UC Transfer Probability	<input type="checkbox"/> Yes	<input type="checkbox"/> No

*Chris O'Brien*

10/4/23

Articulation Officer

Date

10. **THIS COURSE MEETS OR EXCEEDS STATE TITLE 5 STANDARDS AND CRITERIA FOR COURSES AND CLASSES (Check one)**

- Credit course applicable as units to the associate degree (within degree/certificate requirements or elective toward graduation) – Title 5: Section 55002
- Credit course not applicable as units toward an associate degree – Title 5: Section 55002
- Basic skills (when designated as non-degree credit; courses in reading, writing, computation, and ESL) – Title 5: 55002/55000(j)
- Noncredit course (offered for zero units) – Title 5: Section 55002

11. Porterville College CROSS-LISTING COLLABORATION AND LETTER OF INTENT

Cross-listed  Yes  No

If yes, please list cross-listed course(s)

Similarity in course content in another department  Yes  No

If yes, please list similar course

The original Letter of Intent, with sign off by the affected department at Porterville, must be included with this proposal. **The Curriculum Committee will not review any proposal that affects any division or department at Porterville unless a completed Letter of Intent is on file.** Please meet and collaborate with the appropriate chair or coordinator when this course modification affects another program or certificate or if this course is to be cross-listed at Porterville.

Date sent  Date returned

12. **FOR LEARNING RESOURCES REPRESENTATIVE USE ONLY:**

To assess learning resources support for your course or program, please consult with your departmental liaison librarian to determine the adequacy of the resources available and have the liaison librarian sign below.

Resources Adequate

Resources Require Upgrading  
Estimated Costs to Upgrade \$ \_\_\_\_\_  
Funding Available to Upgrade? Yes \_\_\_\_\_ No \_\_\_\_\_

*Sherie Burgess*

10/5/23

Departmental Liaison or Library Chair

Date

13. **STUDENT LEARNING OUTCOMES**

Please meet with the Student Learning Outcomes Coordinator to submit your SLOs for review and have the Student Learning Outcomes Coordinator sign below.

*My*

Student Learning Outcomes Coordinator

Date

14. **VOTE OF DEPARTMENT**

Indicate the date that the department met to consider the curriculum proposal, the number of full-time faculty members in the department, the number voting and the number absent at the time the vote was taken.

Date of meeting

Number of full time members in department

Yes

No

Abstaining

Absent

15. **SIGNATURES**

I have reviewed this form for accuracy and completeness and recommend this course addition.

*[Signature]*

Department Chairperson/Coordinator

Date

*Oswaldo DelValle*

10/5/23

Dean

Date

16. **FOR CURRICULUM CHAIR and VP OFFICE USE ONLY:**

**STAND-ALONE COURSE APPROVAL**

Yes  No

This course addition meets the state Chancellor's Office regulations and guidelines requiring state approval as a stand-alone course outside of a program.

Curriculum Chair/VP

Date

Curriculum Committee:

**Signature:** 

**Email:** [osvaldo.del@portervillecollege.edu](mailto:osvaldo.del@portervillecollege.edu)