

1. Explain briefly and clearly the proposed improvement.
Changing the prerequisites for PAPR 3030 by including PAPR 1000 or 2040 as additional prerequisites. The new set of prerequisite courses will be 'PAPR 1000 or 2040, CHEG 2960, and CHEM 3750 with a C minimum in CHEG and PAPR prefixed prerequisite courses.
2. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.)
The lab experience obtained in PAPR 1000 or PAPR 2040 is required for the lab work in PAPR 3030. Also, the overall knowledge of pulp and paper industry covered in the earlier courses are of great relevance.
3. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one.
None as the change involves only program courses.
4. Effect on your department's programs. Show how the proposed change fits with other departmental offerings.
None
5. Effects on enrolled students: Are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale.
None except that the students will be taking PAPR courses in proper sequence.
6. Student or external market demand. What is your anticipated student audience? What evidence of student or market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?
No change
7. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.)
No change
8. General education criteria. For a general education course, indicate how this course will meet the criteria for the area or proficiency. (See the General Education Policy for descriptions of each area and proficiency and the criteria. Attach additional pages as necessary. Attach a syllabus if (a) proposing a new course, (b) requesting certification for baccalaureate-level writing, or (c) requesting reapproval of an existing course.) Not Applicable
9. List the learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program.
No change in learning outcomes of the program.
10. Describe how this curriculum change is a response to assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities. Internal assessment of performance in labs done in groups led to this change.
11. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section. Not Applicable

Catalog Copy

PAPR 3030 - Pulping and Bleaching

Advanced study of the processes involved in the production of papermaking fibers. Wood anatomy, ultrastructure, and chemistry, wood yard operations, chemical, and high yield pulping, bleaching, alternate fiber sources, and pulping and bleaching chemistry. Process engineering perspective emphasizing mass and energy balances, process design and control. Lab work in wood characterization, pulping, and bleaching, and field trips.

Prerequisites & Corequisites: Prerequisites: PAPR 1000, CHEG 2960 and CHEM 3750. A minimum grade of "C" is required in PAPR and CHEG prefixed prerequisites.

Credits: 4 hours

Lecture Hours - Laboratory Hours: (3 - 3)