

ROWAN COLLEGE
CURRICULUM COMMITTEE

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MINOR CHANGE

4 proposal chgs

PROPOSAL TITLE: Minor Change in Chemical Engineering Curriculum

UNDERGRADUATE GRADUATE CREDIT HOURS

SPONSOR(S): Des. E. Otis Keil*, C.S. Slater, R.P. Hensel

* to whom questions should be addressed

DEPARTMENT & TELEPHONE# Engineering X4641

CHECK ONE:

CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS

CATALOGUE DESCRIPTIONS AND/OR PREREQUISITE CHANGES

SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM

CHANGES IN HEGIS NUMBER

<p>STEP #1 (DEPARTMENT)</p> <p><input checked="" type="checkbox"/> APPROVED / DATE: <u>4-21-97</u></p> <p>NOT APPROVED / DATE: _____</p> <p><u>[Signature]</u> (DEPT. CURRICULUM CHR./DATE)</p> <p><u>[Signature]</u> DEPT. CHR./DATE</p>	<p>STEP #2 (SCHOOL)</p> <p>DATE REVIEWED <u>4-21-97</u></p> <p><input checked="" type="checkbox"/> RECOMMEND TO APPROVE</p> <p><input type="checkbox"/> RECOMMEND NOT TO APPROVE</p> <p>COMMENTS:</p> <p><u>[Signature]</u> TRC <u>[Signature]</u> JLS</p> <p><u>[Signature]</u> RAD <u>[Signature]</u> CSS</p> <p><u>[Signature]</u> SCHOOL CURRICULUM CHR.</p>	<p>STEP #3 (ACADEMIC DEAN)</p> <p><input checked="" type="checkbox"/> RECOMMEND <input type="checkbox"/> NOT RECOMMENDED</p> <p>DATE REVIEWED: <u>4-21-97</u></p> <p><u>[Signature]</u> DEAN OF SCHOOL SIGNATURE</p>
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<p>STEP #4 (CURRICULUM COMMITTEE)</p> <p>CH-5-12-97 Ann. Sec. 5-14-97</p> <p>SCC# <u>9</u></p> <p>DATE RECEIVED: _____</p> <p><input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> NOT APPROVED</p> <p><u>[Signature]</u> 5/21/97 CURRICULUM COMMITTEE CHR. SIGNATURE</p>	<p>STEP #5 EXE. VP/PROVOST</p> <p><input type="checkbox"/> APPROVED</p> <p><input type="checkbox"/> NOT APPROVED</p> <p><u>[Signature]</u> SIGNATURE/DATE</p>
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REGISTRAR'S SIGNATURE/DATE [Signature] 4 June 97

Minor Curricular Change

1. Details:

a. Change: The following changes in the Chemical Engineering Curriculum are proposed.

i. Fluid Mechanics I (0901-341) to be required in the Spring of the sophomore year instead of the Fall of the junior year.

ii. Principles of Chemical Processes II (0906-202) required in the Fall of the junior year with new number 0906-302 instead of the Spring of the sophomore year

iii. The following changes in course numbers

course	Existing Number	Proposed Number
3 Transfer Processes I (Heat)	0906-301	0906-311
4 Transfer Processes II (Mass)	0906-302	0906-312

b. Sponsors: Dr. Z. Otero Keil
Dr. C.S. Slater
Dr. R.P. Hesketh

2. Rationale:

a. Statement of Need for Change:

Fluid mechanics principles are a critical link between Principles of Chemical Processes I and Principles of Chemical Processes II. By requiring students to take Fluid Mechanics I as a prerequisite to Principles of Chemical Processes II, the latter course can include a range of theory and applications that students need to participate in the chemical engineering aspects of junior engineering clinics and projects. In addition, a stronger foundation will be in place for the Transfer Processes I and II courses.

The course number changes will allow for a consistent and effective numbering scheme for chemical engineering courses