Date: March 3, 2015

To: Dr. Mark Archambault, Chair
Undergraduate Curriculum Committee

From: Dr. Jonathan Whitlow, Associate Professor
Department of Chemical Engineering

Through: Dr. Manolis Tomadakis, Department Head
Department of Chemical Engineering

Through: Dr. Ed Kalajian, Associate Dean
College of Engineering

Subject: Request to Change Prerequisites for Chemical Engineering Courses

The Chemical Engineering Department has reviewed all the current requirements for the courses in the CHE curriculum. Based on the evaluation the Department is requesting the Undergraduate Curriculum Committee approval to change the requirements for the courses listed below. The proposed new requirements for the affected courses would be as follows:

**CHE 1091 Nanoscience / Nanotechnology Laboratory**
Prerequisites: CHM 1101

**CHE 3115 Chemical Engineering Processes Lab 1**
Prerequisites: CHE 3101, CHE 3103.

**CHE 4115 Chemical Engineering Processes Lab 2**
Prerequisites: CHE 3115, CHE 4122, CHE 4131, CHE 4151. Corequisites: CHE 4122, CHE 4151.

**CHE 4122 Chemical Process Control**
Prerequisites: CHE 2102, MTH 2201.

**CHE 4151 Chemical Engineering Reactor Design**
Prerequisites: CHE 3101, CHE 3103.
REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: Engineering  DEPARTMENT: Chemical Engineering

REQUEST IS FOR CHANGE IN COURSE  C H E  1 0 9 1 Nanoscience / Nanotechnology Lab

Prefix  Number  Course Title

TO BE INCLUDED IN 20 16  / 20 17 CATALOG
Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  □ Yes  □ No  If yes, requested name

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  □ Yes  □ No  If yes, current credits  __________ requested credits

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE?  □ Yes  □ No  If yes, please check all that apply:
  □ Add  □ Remove  □ Prerequisite  □ Corequisite
  □ Add  □ Remove  □ Prerequisite  □ Corequisite
  □ Add  □ Remove  □ Other Restrictions*

*Other restrictions may include changing the grade mode (F/A/S, A-F, EC), deactivating a course already in the system, majors or less levels restricted from registration, or other restrictions.

Remove requirement of freshman status or instructor approval. This requirement is no longer desired since the course is now part of the nanotechnology minor program. Similar changes were approved for CHM 1091 and PHY 1091 at the October 2014 UGCC meeting.

The prerequisite for CHM 1101 remains.

□ Yes  □ No  Is this request for a course to be used to measure program-level student learning outcomes?

□ Yes  □ No  Is this request for a course to satisfy the scholarship inquiry requirement? If yes, attach "Q" materials for review.

□ Yes  □ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

APPROVALS: Once appropriate department approvals are completed, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for signatures below and forward to the Catalog & Curriculum Manager.

1) Originator  3/3/15

2) Department Head/Program Chair  3/5/15

3) Dean/Associate Dean  3-24-15

4) Chair, Graduate Council  Date

5) Chair, Undergraduate Curriculum Committee  Date

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REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: Engineering  DEPARTMENT: Chemical Engineering

REQUEST IS FOR CHANGE IN COURSE CHE 3115  Chemical Engineering Processes Lab 1

TO BE INCLUDED IN 2016 / 2017 CATALOG

Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  ☐ Yes  ☑ No  If yes, requested name: ____________________________________________________

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  ☐ Yes  ☑ No  If yes, current credits ______________________ requested credits ______________________

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE?  ☐ Yes  ☑ No  If yes, please check all that apply:
☐ Add  ☐ Remove  ☐ Prerequisite  ☐ Corequisite  CHE 3104  ☐ and  ☐ or
☐ Add  ☐ Remove  ☐ Prerequisite  ☐ Corequisite  ____________________________________________
☐ Add  ☐ Remove  ☐ Other Restrictions*  ☐ Yes  ☑ No  If yes, please use box below:

*Other restrictions may include changing the grade mode (F, S, U, A, S/U, CR/UC), deactivating a course already in the system, major or class level restricted from registration, or other restrictions.

Note: The catalog description for CHE 3115 indicating that experimental demonstration of theory covered in CHE 3104 is covered in this course will be removed during the next catalog revisions to the course descriptions since this material is now covered in CHE 4115.

The prerequisites of CHE 3101 and CHE 3103 remain.

☐ Yes  ☐ No  Is this request for the course to be used to measure program level student learning outcomes?
☐ Yes  ☐ No  Is this request for the course to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.
☐ Yes  ☐ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

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1) Originatur  3/3/15
   2) Department Head/Program Chair  3/15/15
   3) Dean or Associate Dean  3/24/15
   OR

Chair, Graduate Council  Date
Chair, Undergraduate Curriculum Committee  Date

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REV: 220-1154
Florida Institute of Technology

REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: Engineering
DEPARTMENT: Chemical Engineering

REQUEST IS FOR CHANGE IN COURSE: CHE 4115
Chemical Engineering Processes Lab 2

Prefix: CHE 4115
Number: Number

TO BE INCLUDED IN 2016/2017 CATALOG

Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE? □ Yes □ No
If yes, requested name ____________________________

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE? □ Yes □ No
If yes, current credits ____________________________ requested credits ________________

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE? □ Yes □ No
If yes, please check all that apply:
☐ Add □ Remove □ Prerequisite □ Corequisite □ CHE 4115 □ and □ or
☐ Add □ Remove □ Prerequisite □ Corequisite □ CHE 4112 □ and □ or
☐ Add □ Remove □ Other Restrictions* □ Yes □ No
If yes, please use box below:

*Other restrictions may include changing the grade mode (IP, S/A, A-E, CFI), deactivating a course already in the system, majors or cross levels restricted from registration, or other restrictions.

The prerequisites of CHE 4122 and CHE 4151 are added as corequisites.

The prerequisites of CHE 3115 and CHE 4131 remain as before.

☐ Yes □ No Is this request for a course to be used to measure program-level student learning outcomes?

☐ Yes □ No Is this request for a course to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.

☐ Yes □ No Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

APPROVALS: Once appropriate department approvals are completed, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for signatures below and forward to the Catalog & Curriculum Manager.

1) 3/13/15
   Originator
   Date

2) 3/15/15
   Department/Grad Program Chair
   Date

3) 3/25/15
   Dean or Associate Dean
   Date

4) Date
   Chair, Graduate Council
   OR
   Chair, Undergraduate Curriculum Committee
   Date

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RGR-229-11M
REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: Engineering

DEPARTMENT: Chemical Engineering

REQUEST IS FOR CHANGE IN COURSE

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TO BE INCLUDED IN 2016/2017 CATALOG

Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  □ Yes  □ No

If yes, requested name ________________________________

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  □ Yes  □ No

If yes, current credits ______________ requested credits ___________________________

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE?  □ Yes  □ No

If yes, please check all that apply:

☐ Add  ☐ Remove  ☐ Prerequisite  ☐ Corequisite

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☐ Add  ☐ Remove  ☐ Other Restrictions*  □ Yes  □ No

If yes, please use box below:

*MTH 2201 as a Prerequisite.

CHE 4240 is removed as prerequisite and replaced with CHE 2102 and MTH 2201 which are also the prerequisites for CHE 4240.

☐ Yes  □ No  Is this request for the course to be used to measure program-level student learning outcomes?

☐ Yes  □ No  Is this request for the course to be used to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.

☐ Yes  □ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

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1) Originator

2) Department Head/Program Chair

3) Dean of Associate Dean

4) Chair, Graduate Council

Date 3/3/15

OR

Date 3/5/15

Date 3/2/15

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REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

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COLLEGE: Engineering

DEPARTMENT: Chemical Engineering

REQUEST IS FOR CHANGE IN COURSE

4 1 5 1

CHEMICAL ENGINEERING REACTOR DESIGN

TO BE INCLUDED IN 16/17 CATALOG

Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  □ Yes  □ No
If yes, requested name:

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  □ Yes  □ No
If yes, current credits requested credits:

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE?  □ Yes  □ No
If yes, please check all that apply:

□ Add  □ Remove  □ Prerequisite  □ Corequisite

CHEMICAL ENGINEERING

3 1 0 3

□ and  □ or

□ Add  □ Remove  □ Prerequisite  □ Corequisite

□ and  □ or

□ Add  □ Remove  □ Other Restrictions*

□ Yes  □ No
If yes, please use box below:

*Other restrictions may include changing the grade mode (F,E,S,I,SU), deactivating a course already in the system, majors or class levels restricted from registration, or other restrictions.

Heat Transfer (CHE 3103) is added as a prerequisite since it is used in the Reactor Design Course.

The prerequisite of CHE 3101 remains as before.

□ Yes  □ No  Is this request for the course to be used to measure program-level student learning outcomes?

□ Yes  □ No  Is this request for the course to satisfy the scholarly Inquiry requirement? If yes, attach "Q" materials for review.

□ Yes  □ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

APPROVALS: Once appropriate department approvals are completed, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for signatures below and forward to the Catalog & Curriculum Manager.

1)  

2)  

3)  

4)  

OR

Dean of Associate Dean

Date 3-25-15

Date 3-25-15

Date 3-25-15

Chair, Graduate Council

Date

Chair, Undergraduate Curriculum Committee

Date

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