Learning Outcomes for the Graduate Option in Engineering Management
The Graduate Option in Engineering Management at Oregon State University is designed for engineers and scientists who are conversant in the language and methods of engineering, business and technology and motivated to become managers and leaders. The curriculum will equip practicing engineers and scientists with the knowledge and skills necessary to effectively manage technical resources to accomplish complex technical tasks. Learners will develop the knowledge and skills they need to synthesize multiple perspectives (economic, technical, and human resource) when making managerial decisions. Learners will have the knowledge and skills to react to changes in domestic and international markets, workforce dynamics, and emerging technologies and to plan for the future success of their enterprises. Learners will have the knowledge and skills to:

- Apply management, leadership, communication and interpersonal skills to effectively function on and lead multi-disciplinary teams.
- Apply knowledge of project management, lean operations, information technology, product development, and strategic planning to meet enterprise cost, schedule, and technical performance objectives.
- Apply engineering economic principles, legal and ethical standards, and risk assessment techniques to make effective decisions.
1. Review - College Approver - Engineering
Approved by Robert Paasch Associate Professor / Sch of Mech/Ind/Mfg Engr, October 8, 2013 8:42pm

2. Review - Curriculum Coordinator
Sent Back by Sarah Williams Coord-Curriculum / Acad Prgms/Assess/Accred, October 14, 2013 3:46pm
Comments
Sarah Williams (Curriculum Coordinator) October 14, 2013 3:46pm
If this option is to be taught online, through Ecampus, there should be liaison with Alfonso Bradoch and Dianna Fisher in Ecampus. Has the option been through the Ecampus Intake process?

3. Originator Response
David Cann Professor / Sch of Mech/Ind/Mfg Engr, October 22, 2013 3:35pm

4. Review - Curriculum Coordinator
Approved by Sarah Williams Coord-Curriculum / Acad Prgms/Assess/Accred, October 25, 2013 12:49pm
Comments
Sarah Williams (Curriculum Coordinator) October 25, 2013 12:49pm
This proposal seeks to create a new GRADUATE OPTION in Engineering Management.

[Please read the Comment box for an explanation of the CPS process and of the associated major]

5. Review - Graduate Committee - Engineering (D-Z)
Approved by Gregory Herman Associate Professor / Sch of Chem/Bio/Envr Eng, November 18, 2013 1:42pm

6. Review - CC Rep - Engineering (D-Z)
Approved by Michael Bailey Professor / Sch Elect Engr/Comp Sci, November 18, 2013 2:54pm
Comments
Michael Bailey (CC Rep - Engineering (D-Z)) November 18, 2013 2:54pm
Very nice!

7. Review - Curriculum Council Chair
Approved by Michael Bailey Professor / Sch Elect Engr/Comp Sci, November 18, 2013 2:54pm

8. Review - Academic Programs
Approved by Gary Beach Coord-Curriculum / Acad Prgms/Assess/Accred, November 19, 2013 1:18pm
Comments
Gary Beach (Academic Programs) November 19, 2013 1:18pm
APPROVAL: From the perspective of Academic Programs, there are no identifiable issues or problems associated with this proposed new graduate option that will be offered only online via ECampus:
MEng, MS, Phd in Industrial Engineering; Engineering Management Graduate Option

---Gary

9. Review - Catalog Coordinator

Approved by Larry Bulling Program Technician 1 / Office of the Registrar, November 19, 2013 3:35pm

Comments
Larry Bulling (Catalog Coordinator) November 19, 2013 3:35pm
Will be entered into online catalog after associate registrar assigns an grad option code and Grad School enters it into curriculum tables.