

3-11-2009

## Environmental Science Course Proposal 03/11/09

Curriculum Committee

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<b>Approvals Received:</b>	Department on 03-11-09 by Jeri Squier (squierj@umn.edu)	>	Curriculum Committee on 03-11-09 by Jeri Squier (squierj@umn.edu)	>	Campus Assembly on 03-11-09 by Jeri Squier (squierj@umn.edu)
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**Approvals Pending:** Catalog**Effective Status:** Active**Effective Term:** 1095 - Summer 2009**Course:** ESCI 1131**Institution:** UMNMO - Morris**Career:** UGRD**College:** MDSM - Division of Science and Mathematics**Department:** 10565 - UMM-Sci & Math, Div of-Adm**General****Course Title Short:** Renewable Energy Biomass**Course Title Long:** Renewable Energy With Biomass Gasification**Max-Min Credits  
for Course:** 3.0 to 3.0 credit(s)**Catalog  
Description:** Principles of biomass gasification with a focus on chemical, biological and economic considerations of biomass energy production. Features hands-on training in chemistry and biomass with classroom and lab activities.**Additional Course  
Information  
(for catalog  
production):** <no text provided>**Grading Basis:** Stdnt Opt**Honors Course:** No**Delivery Mode(s):** Classroom**Years most  
frequently offered:** Every academic year**Term(s) most  
frequently offered:** Summer**Component 1:** LEC (with final exam)**Component 2:** LAB (no final exam)**Auto-Enroll  
Course:** Yes**Graded  
Component:** LAB**Academic  
Progress Units:** Not allowed to bypass limits.  
3.0 credit(s)**Financial Aid  
Progress Units:** Not allowed to bypass limits.  
3.0 credit(s)

<b><u>Repetition of Course:</u></b>	Repetition not allowed.
<b><u>Course Prerequisites for Catalog:</u></b>	Math 0901 or placement beyond Math 0901 using ACT/placement exam or #
<b><u>Course Equivalency:</u></b>	No course equivalencies
<b><u>Consent Requirement:</u></b>	Continuing education
<b><u>Enforced Prerequisites:</u></b> (course-based or non-course-based)	No prerequisites
<b><u>Editor Comments:</u></b>	03.11.09 - Edited for PSoft. jls
<b><u>Proposal Changes:</u></b>	<no text provided>
<b><u>History Information:</u></b>	03.11.09 - Received provisional approval. jls
<b><u>Assessment and Goals:</u></b>	<no text provided>
<b><u>Rationale for Changes or Exceptions:</u></b>	COURSE IS OFFERED TO PROVIDE AN APPLIED LEARNING EXPERIENCE THAT TAKES ADVANTAGE OF UMM'S UNIQUE BIOMASS FACILITY. STUDENTS WHO MIGHT BE INTERESTED IN TAKING THIS COURSE INCLUDE ENVIRONMENTAL STUDIES MAJORS, ENVIRONMENTAL SCIENCE MAJORS, AS WELL AS OTHERS WHO SEEK TO WORK IN RENEWABLE ENERGY FIELDS.

### General Education

<b><u>Faculty Sponsor Name:</u></b>	Ted Pappenfus and James Cotter
<b><u>Requirement this course fulfills:</u></b>	SCI-L - SCI-L Physical & Biological Sciences with Lab
<b><u>Provisional Approval:</u></b>	Received on Mar 11, 2009
<b><u>Regular Approval:</u></b>	Not requested

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