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UMM Curriculum Course Change Proposals Fall 2017

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UNIVERSITY OF MINNESOTA

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November 27, 2017

Memo To: UMM Steering Committee

From: Janet Ericksen, Chair, Curriculum Committee *JAE*

Subject: UMM Curriculum Course Change Proposals, Fall 2017

Below are items approved by the Curriculum Committee, which we request be placed on the agenda for the December 4, 2017 meeting of the Campus Assembly. All Curriculum Committee Change Proposals for this year and past years can be found at www.morris.umn.edu/committees/Curriculum/.

A summary of votes cast by Curriculum Committee members is presented below:

Division of Science and Mathematics Proposals:

Course Action	Meeting Date	Vote (For-Against-Abstentions)
Chemistry (Chem) Course Revision: Chem 1001 Course Deactivation: 4354	Oct. 23	(10-0-0)
Mathematics (Math) New Course: Math 1801 – Geometry Collides with Culture: Patterns in Space (2 cr; IC)	Nov. 20	(13-0-0)
Physics (Phys) Course Revision: Phys 3301	Nov. 20	(13-0-0)

Division of the Social Sciences Proposals:

Course Action	Meeting Date	Vote (For-Against-Abstentions)
Anthropology (Anth) Course Revision: Anth 2501	Oct. 9	(14-0-0)
Economics (Econ) New Course: Econ 4201 – Foundations of Microeconomic Theory (4 cr)	Nov. 20	(13-0-0)
History (Hist) Course Revision: Hist 2451 (change effective fall 2019)	Oct. 9	(13-0-0)

Interdisciplinary Studies Proposals:

Course Action	Meeting Date	Vote (For-Against-Abstentions)
Interdisciplinary Studies (IS) Course Revision: IS 1091 New Courses: IS 2102 – Research Success Seminar (1 cr) IS 3252H – Honors: Archaeoastronomy (2 cr; SCI) IS 3253H – Honors: Honoring Native Treaties: Human Rights and Civic Responsibilities (2 cr; E/CR)	Nov. 20	(13-0-0)

JSE/dkp

Multiple Course Revisions

Route this form to:
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315 Behmler Hall

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Multiple Course
Revisions

Rev: 08/2016

This form is for presenting changes to Curriculum Committee; the information will still need to be entered in ECAS. Sending this form to Curriculum Committee for approval means Discipline and Division approval has been received.

Date: 10/18/17

Discipline: Chem

Curriculum Committee Approval Date: 10/23/17

Course Revision #1 Chem 1001. Chemistry for the Curious Citizen: The Role of Chemistry in the Environment and Everyday Life

Chem 1001. Chemistry for the Curious Citizen: The Role of Chemistry in the Environment and Everyday Life (Sci-L; ~~4~~ 3 cr; =[CHEM 1801]; may not count toward chem major or minor; offered ~~spring~~ summer periodically)

The central nature and relevance of chemistry to the environment and everyday life. Air quality, the ozone layer, global warming, energy resources, acid rain, and nutrition. Discussion and debate of current events related to these topics. Select readings on significant historical chemical discoveries in these areas that still resonate today. Basic chemistry lab principles and techniques. This course is intended for non-science majors. [Note: may not count toward chem major or minor]

Rationale:

Course is most likely to be offered in the summer. Decreasing to 3 credits allows the course to be taught in any of the three summer terms. There will be less depth to the topics covered to compensate for reduced credits.

Course Revision #2 Chem 4354 Biochemistry of Neurological Disorders

Give complete UMM catalog entry (deletions in strikethru font, additions underlined)

Course is being made Inactive

~~Chem 4354. Biochemistry of Neurological Disorders (4 cr; prereq 2321 or Biol 3700, Biol 4211 Discussion of the biochemical aspects of neurodegenerative diseases, addiction, and poisons such as the roles of metal ions and non-covalent interactions in protein folding and function. The course involves extensive reading and discussion of primary literature with a strong focus on data interpretation and experimental design.~~

Rationale for change: Course created for faculty member who is no longer teaching at UMM. Will not be taught in the future by other faculty.

MATH -1801 - NEW COURSE PROPOSAL

Approvals Received:	Department 2/3/17 by Jeri Squier (squierj@umn.edu)
Effective Status:	Active
Effective Term:	1179 – Fall 2017
Department:	10565 - UMM-Division of Science & Math
General	
Course Title Short:	Geometry Collides With Culture
Course Title Long:	Geometry Collides With Culture: Patterns In Space
Max-Min Credits for Course:	2.0 to 2.0 credit(s)
Catalog Description:	<p>Geometry has played a profound role in human understanding of art, vision, space, and the representation of information. Through readings, discussion, projects, and writing, students explore the interplay between geometry, science, and culture.</p> <p>prereq: new college student in their first semester of enrollment at UMM</p>
Grading Basis:	Opt
Honors Course:	No
Online Course:	No
Course Typically Offered:	Periodic Fall
Component 1:	DIS
Auto-Enroll Course:	No
Graded Component:	DIS
Academic Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Financial Aid Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Repetition of Course:	Repetition not allowed.
Course Equivalency:	None
Add/Drop Consent Requirement:	No required consent
Enforced Prerequisites:	003240 - new college student in their first semester of enrollment at UMM
Rationale for Changes or Exceptions:	Seeking regular approval. Mathematics has not been represented recently in the Intellectual Community offerings, and this course will fill that gap.
General Education	
Faculty Sponsor Name:	Mark Logan
Requirement this course fulfills:	IC Intellectual Community
Provisional Approval:	Received on Feb 2, 2017
Regular Approval:	Requested on Feb 3, 2017

Multiple Course Revisions

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Revisions

Rev: 08/2016

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Date: November 15, 2017

Discipline: Physics

Curriculum Committee Approval Date: 11/20/17

Course Revision #1

Give complete UMM catalog entry (deletions in strikethru font, additions underlined)

PHYS 3301. Optics. (4 cr; no credit for students who have received cr for Phys 2401; prereq: 1102; student option; spring even year)

Light as a wave phenomenon, electromagnetic nature of light, Huygens' principle, interference, diffraction-- Fraunhofer and Fresnel, polarization, dispersion, absorption and scattering. (~~4 hrs~~ 2-65 min lect, ~~lab TBA~~, one 180-min lab)

Rationale for change: Update the lecture/lab times.

Multiple Course Revisions

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Rev: 04/2014

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Date: October 9, 2017
Discipline: Anthropology
Curriculum Committee Approval Date: 10/9/17

Course Revision #1

Give *complete* UMM catalog entry (deletions in strikethru font, additions underlined)

Anth 2501. Medical Anthropology-An Overview. (SS; ~~4~~ 2 cr; prereq 1111 or Soc 1101 or #; periodic spring)

~~Utilizes an ecological perspective to explore cultural understandings of health and illness in a variety of societies in North America and abroad. Examines the effects of cultural and physical adaptation, nutrition, culture contact, and modernization on the health and well being of people.~~

This course examines cultural understandings of health, illness, and healing. Using cross-cultural examples and an anthropological perspective, we will examine issues such as medicalization, authoritative knowledge, and global inequalities. Examples and case studies may include such diverse topics as childbirth, nutrition, mental health, disease prevention, and the role of medical institutions.

Rationale for change:

Activate course, and change from 4 to 2 credits as we now have staffing for this course (Cristina Ortiz). We are adding several 2-credit courses to give the Anth faculty the opportunity to teach a wider variety of electives, as part of a comprehensive program revision in 2016. The course description has changed to update the course, and reflect the lower number of credits. Anth would like to offer this as a 2-credit course spring 2018.

ECON 4201 - NEW COURSE PROPOSAL

Approvals Received:	Department 9/18/17 by Jeri Squier (squierj@umn.edu)
Effective Status:	Active
Effective Term:	1179 – Fall 2017
Department:	10574 - UMM-Division of Social Science
General	
Course Title Short:	Microeconomic Foundations
Course Title Long:	Foundations of Microeconomic Theory
Max-Min Credits for Course:	4.0 to 4.0 credit(s)
Catalog Description:	Consumer theory, production theory, and general equilibrium. Issues addressed include: the choice approach versus the preference approach; the perils of common highly regular utility functions; the demand aggregation problem and solutions; the foundations of individual consumer welfare theory and social welfare criteria; multiple output production; and general equilibrium theory as a method for overcoming many of the issues encountered earlier in the course. This course does use a substantial amount of multivariable differential calculus. [Note: no credit for students who have received cr for Econ 4111] prereq: 3201
Grading Basis:	Opt
Honors Course:	No
Online Course:	No
Course Typically Offered:	Spring Even Year
Component 1:	LEC (with final exam)
Auto-Enroll Course:	No
Graded Component:	LEC
Academic Progress Units:	Not allowed to bypass limits. 4.0 credit(s)
Financial Aid Progress Units:	Not allowed to bypass limits. 4.0 credit(s)
Repetition of Course:	Repetition not allowed.
Course Equivalency:	02561 - ECON 4201/ECON 4111
Add/Drop Consent Requirement:	No required consent
Enforced Prerequisites:	010009 - Econ 3201
Rationale for Changes or Exceptions:	Seeking regular approval. New course proposed by a faculty member with interest and expertise in this area/topic.
General Education	
Faculty Sponsor Name:	David Brown
Requirement this course fulfills:	None
Provisional Approval:	Received on Sep 18, 2017
Regular Approval:	Requested on Sep 25, 2017

Multiple Course Revisions

This form is for presenting changes to Curriculum Committee; the information will still need to be entered in ECAS. Sending this form to Curriculum Committee for approval means Discipline and Division approval has been received.

Date: October 9, 2017

Discipline: History

Curriculum Committee Approval Date: 10/9/17 (effective 2019-21 catalog)

Course Revision #1

Give complete UMM catalog entry (deletions in strikethru font, additions underlined)

HIST 2451 - The American West. (HIST; 4 cr; fall even year)

~~Overview of the history of the American West up to the 21st century. While many scholars have argued that the "West" was merely a necessary process of national expansion, others argue that it is a very significant region—the most culturally and ecologically diverse region in the country. Discussion of these major historical interpretations of the American West and examination of how people have understood this vast region as a cultural icon of national identity. Work through various definitions of the West and identify how political issues of the environment, international borderlands, and gender and race relations have significantly influenced the United States for many generations. Through lectures, readings, and discussion, examine Western history chronologically while also covering other major themes including federalism, the mythic West, tourism, ranching and agriculture, urban and suburban areas, film, and religion.~~

The American West has loomed large in the imagination of the public since the first Europeans set foot on what would become the United States of America. Historian Frederick Jackson Turner argued that the frontier of the West was what distinguished Americans from their European counterparts. However, the West was already home to complex and sophisticated cultures long before the first fur trapper, gold miner, missionary, or cowboy arrived. Disagreements over the future of the West fueled violent confrontation, disagreements that continue to reveal themselves on contemporary relations between a variety of ethnic, class, and cultural backgrounds. This course will explore the historical underpinnings of confrontations between settlers and indigenous inhabitants, farmers and ranchers, and the federal, state, private, environmental, and tribal interests in the West. These historical underpinnings help to re-imagine the West and the American identity, continue to shape contemporary controversies.

Rationale for change:

Update course description with what will be covered in the course starting Spring 2018 (Jacob Jurss, NASNTI Post-Doctoral Fellow), and going forward (Kevin Whalen).

Multiple Course Revisions

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Rev: 08/2016

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Date: November 15, 2017

Discipline: Interdisciplinary Studies (IS)

Curriculum Committee Approval Date: 11/20/17

Course Revision #1

Give complete UMM catalog entry (deletions in strikethru font, additions underlined)

IS 1091. Ethical and Social Implications of Technology. (E/CR; 2 cr; Student Option; Every ~~Fall &~~ Spring)

Description of appropriate technological advances. Historical development related to technology and its development cycle. Discussion of the ethical and social implications of technology.

Rationale for change: Change reflects the reality that the discipline does not typically offer this course for fall semester

IS 2102 - NEW COURSE PROPOSAL

Approvals Received:	Department 10/20/17 by Jeri Squier (squierj@umn.edu)
Effective Status:	Active
Effective Term:	1189 – Fall 2018
Department:	10532 – M Acad Dean's Admin
General	
Course Title Short:	Research Success Seminar
Course Title Long:	Research Success Seminar
Max-Min Credits for Course:	1.0 to 1.0 credit(s)
Catalog Description:	A one-credit seminar that introduces McNair Scholars to academic research and communication. Scholars write a research proposal, learn literature searching skills, prepare to carry out research with a faculty mentor, and learn how to prepare for the GRE. prereq: instr consent
Grading Basis:	S-N
Honors Course:	No
Online Course:	No
Course Typically Offered:	Every Spring
Component 1:	LEC
Auto-Enroll Course:	No
Graded Component:	LEC
Academic Progress Units:	Not allowed to bypass limits. 1.0 credit(s)
Financial Aid Progress Units:	Not allowed to bypass limits. 1.0 credit(s)
Repetition of Course:	Repetition not allowed.
Course Equivalency:	None
Add Consent Requirement:	Instructor
Drop Consent Requirement:	No required consent
Enforced Prerequisites:	No prerequisites
Rationale for Changes or Exceptions:	Seeking regular approval. This course is part of the successful proposal to have a McNair Post-Baccalaureate Achievement program at UMM. The objective of the McNair program is to support low-income /first-generation and/or students underrepresented in graduate education as they pursue the PhD. This course is a critical piece of the overall plan.
General Education	
Faculty Sponsor Name:	Nancy Carpenter
Requirement this course fulfills:	None
Provisional Approval:	Received on Oct 20, 2017
Regular Approval:	Requested on Oct 20, 2017

IS 3252H - NEW COURSE PROPOSAL

Approvals Received:	Department 2/8/17 by Jeri Squier (squierj@umn.edu)
Effective Status:	Active
Effective Term:	1179 – Fall 2017
Department:	10532 – M Acad Dean's Admin
General	
Course Title Short:	Honors: Archaeoastronomy
Course Title Long:	Honors: Archaeoastronomy
Max-Min Credits for Course:	2.0 to 2.0 credit(s)
Catalog Description:	Archaeoastronomy investigates the incorporation of solar, lunar, planetary, and stellar observations into various ancient cultures. European, North American, and Central American cultures are presented. Students have the opportunity to investigate the effects of astronomical phenomena on a particular culture or location of their choosing. Night viewing sessions are required. prereq: participation in the Honors Program or instr consent
Grading Basis:	OPT
Honors Course:	Yes
Online Course:	No
Course Typically Offered:	Periodic Fall & Spring
Component 1:	DIS
Auto-Enroll Course:	No
Graded Component:	DIS
Academic Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Financial Aid Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Repetition of Course:	Repetition not allowed.
Course Equivalency:	None
Add/Drop Consent Requirement:	No required consent
Enforced Prerequisites:	000055 – admission to the Honors Program
Rationale for Changes or Exceptions:	Seeking regular approval. This course provides an honors course in science aligned with the interests of the sponsoring faculty.
General Education	
Faculty Sponsor Name:	Gordon McIntosh
Requirement this course fulfills:	SCI Physical & Biological Sciences without Lab
Provisional Approval:	Received on Feb 2, 2017
Regular Approval:	Requested on Feb 8, 2017

IS 3253H - NEW COURSE PROPOSAL

Approvals Received:	Department 8/16/17 by Jeri Squier (squierj@umn.edu)
Effective Status:	Active
Effective Term:	1179 – Fall 2017
Department:	10532 – M Acad Dean's Admin
General	
Course Title Short:	Hnrs: Native Treaties
Course Title Long:	Honors: Honoring Native Treaties: Human Rights and Civic Responsibilities
Max-Min Credits for Course:	2.0 to 2.0 credit(s)
Catalog Description:	Examination of North American Indigenous treaties with Canada and the United States, the human rights concerns those treaties bring into focus, and the civic responsibilities the treaties entail. Includes both historical treaty issues, such as the 1868 Treaty of Fort Laramie and its implications for the ownership of the Black Hills, the 1851 Treaty of Traverse de Sioux and the Dakota War of 1862, and more current movements tied to treaty obligations. Survey of leaders and leadership styles in both historic treaty negotiations and contemporary indigenous rights movements. prereq: participation in Honors Program or instr consent
Grading Basis:	OPT
Honors Course:	Yes
Online Course:	No
Course Typically Offered:	Periodic Spring
Component 1:	DIS
Auto-Enroll Course:	No
Graded Component:	DIS
Academic Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Financial Aid Progress Units:	Not allowed to bypass limits. 2.0 credit(s)
Repetition of Course:	Repetition not allowed.
Course Equivalency:	None
Add/Drop Consent Requirement:	No required consent
Enforced Prerequisites:	000055 – admission to the Honors Program
Rationale for Changes or Exceptions:	Seeking regular approval. New course to enhance honors program.
General Education	
Faculty Sponsor Name:	Becca Gercken
Requirement this course fulfills:	E/CR Ethical & Civic Responsibility
Provisional Approval:	Received on Aug 16, 2017
Regular Approval:	Requested on Aug 16, 2017