

## - Course Add Proposal -PLEASE COMPLETE THIS FORM IN RED

A guide for completing this form is located at www.admin.mtu.edu/em/faculty/courses/proposal\_guide.php

	1) C	ourse Information				
	ls	this a half-semester course proposal? Yes No				
	NOTE: All half-semester courses must follow rules set in Faculty Senate Proposal 4-00. See Senate website for details: http://www.sas.lt.mtu.edu/usenate/propose/03/10-03.htm					
	Course Prefix/Number (I.e. MEEM 2110): MA479					
	Course Title (abbreviated; used on transcript - Up to 30 characters including spaces)					
	PREDICTIVE MODELING					
	Alternative Title for Catalog (Up to 100 characters including spaces)					
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	2) Cre	dits				
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<b>3</b> 9∧	OR	Number of credits assigned to this course 3				
(*)		Range of credity if sendants				
aw i	W. W.	(Number of credits to be taken in a given semester)				
	3) Schedule					
		Contact Hours per Week // cc / Port to the land				
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		De la Contract nodis di iau)				
		Lecture Recitation Lab				
	OR	Lecture Recitation Lab				
		Research Course? Yes No				
	OR	Emma 140				
		Special Topics Course? Yes No				
******						
4	) Addit	ional Credits				
	May students receive additional credits by taking and passing this course more than once?					
		No No				
>,		Yes, for a maximum of gradity as a				
)		Yes, for a maximum of credits. (Must be a multiple of the course credits, i.e. Research or Special Topics)				
Estate.		Yes, for an unlimited number of credits. (i.e. Music, Varsity sports, etc.)				
C	ourse Add	Proposal www.mhi.edu/renistrar				

Rev: 01/09

	5) Pass/Fall
	Will this course be offered as a passifall option ONLY? (grade of S or E) Yes X No
	6) Cross Listed/Equivalent Course
	Cross Listed: Is there an identical course offered in a different subject or at a different level? Yes No
	If Yes, what is the other subject and course number?
	Equivalent Course: Does this course replace a dropped course with no change in course content for degree
	requirements, prerequisites, and repeating purposes?  Yes  No
	If Yes, what is the subject and course number of the dropped course?
	7) Corequisites and Prerequisites
	Corequisites are courses that are REQUIRED to be taken at the SAME TIME as this course (courses MUST be offered during the same term):
	Required corequisite course(s):
	Prerequisites are courses that are REQUIRED to be taken PRIOR to enrollment in this course.
	Select appropriate box and use parentheses where needed (refer to the guidebook for examples):
	Required prerequisite course(s):
	1_MA3740
	And or DOr 2 MA4710
	[] And or [] Or 3 MA4720
	□ And or ☑ Or 4 MA4780
	□And or □Or 5
	□And or □ Or 6
	A concurrent prerequisite is a defined prerequisite course (from list above) that MAY be taken EITHER simultaneously in the same semester OR in a prior semester.
	simultaneously in the same semester OR in a prior semester. Indicate below applicable courses.
	Concurrent prerequisite course(s):
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Andrick Chairman (identification of the second position of the second of	Application, construction, and models used for prediction a include data visualization of the normal theory regression regression, linear and quad and classification with logit	model, logistic and Poisson			
•	Registration Restrictions  If permission is always required for registration purpos department or instructor signature), please select the appropriate to the select unless EVERY STUDENT must get "S	ppropriate permission.			
	Students who register for this course may be restricted by their College/School OR their Major. Please indicate if any college or major restrictions should be applied to this course. If there are no restrictions please indicate in the check box provided.  No College/School Restrictions  No Major Restrictions				
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a paraglical e consequente paraglical e conseq	Colleges/Schools who MAY NOT enroll (EXCLUDE)	Majors that MAY NOT enroll (EXCLUDE)			

	indicate if any class restrictions should be applied to this course. If there are no restrictions please indicate in the check box provided.				
	No Class Restrictions				
	Class of students who MAY NOT enroll (EXCLUDE)				
	-OR- Class of students who MAY enroll (INCLUDE)				
	10) Semester(s) Offered  Fall Spring Summer (Check all that apply)  OR On Demand				
	If offered in a specific semester, will the course be offered only in alternate years? Yes No If yes, what will be the starting academic year? (i.e. 2008-09 or 2009-10)				
,	11) General Education HASS Distribution  To propose this course for inclusion on a HASS Distribution List (HASS, HASS Creative Endeavors, or HASS Supplemental) please complete the New Distribution List Proposal form in your department's binder.				
2	12) Co-Curricular  To propose this course for inclusion on the Co-Curricular List please complete the New Co-Curricular List  Proposal form in your department's binder.				
****	13) Course Computing Lab and Expendables Fees  DO NOT RECORD FEE INFORMATION HERE. Submit course fee information on the Course Computing Lab and Expendables Fees for New Courses form included in your department's binder at the end of the fee section.				

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	**	** Be sure to adjust	the appropriat	o degree aud	its in sections '	7 and 8 in	your departme	ant's binder.
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	15) C	ourse Rationale (Req	uired)					and the state of t
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DID YOU USE RED INK TO COMPLETE THIS FORM?

IF NOT, PLEASE HIGHLIGHT YOUR ANSWERS SO NOTHING IS MISSED IN PROCESSING.



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1)	Course Information					
	Is this a <b>half-semester course proposal?</b> Yes V No					
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	Course Prefix/Number (i.e. MEEM 2110):					
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	Alterna	tive Title for Catalog (Up to 100 characters including spaces)				
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2)	Credits					
		Number of credits assigned to this course				
	Range of credits if variable to (Number of credits to be taken in a given semester)					
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3)	Schedi	ıle				
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Please refer to the guidebook for examples and sugg	so students will see it in the printed catalog, estions on developing a course description.
Data mining focuses on extracting knowledge from large concepts, methodology (measurement, evaluation, visua fustering, association rules, etc.), and applications (web	fization, etc.), algorithms (classification/regression
Registration Restrictions	
If permission is <u>always</u> required for registration purpose department or instructor signature), please select the approximation of the signature of the signat	
Do not select unless EVERY STUDENT must get "S	GNED INTO" the class.
Department OR Instructor	
Students who register for this course may be restricted be indicate if any college or major restrictions should be apprindicate in the check box provided.	
No College/School Restrictions	No Major Restrictions
	Majors that MAY NOT enroll (EXCLUDE)
Colleges/Schools who MAY NOT enroll (EXCLUDE)	
•	-OR-
•	-OR- Majors that MAY enroll (INCLUDE)
(EXCLUDE)	

<ul> <li>A restriction may also be placed on Class Standing (Freshman, Sophomore, Junior, Senior, Graduate). Please indicate if any class restrictions should be applied to this course. If there are no restrictions please indicate in the check box provided.</li> </ul>				
	No Class Restrictions			
	Class of students who MAY NOT enroll (EXCLUDE)			
	-OR-			
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## 14) Degree Programs which this course will affect List the degrees, minors, and certificates in which this course will be required or used as an elective: \*\*\* Degree Program(s): Computer Science Computer Systems Science Software Engineering Mathamatical Sciences - Rusinass Analytics \*\*\* Be sure to adjust the appropriate degree audits in sections 7 and 8 in your department's binder.

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15) Course Rationale (Required)

With current and future trends illustrating the growing collection and analysis of huge quantities of data, a data mining course is highly relevant to current research and software challenges. Data mining or knowledge discovery is an interdisciplinary field that builds on topics from databases, statistics, operations research, machine learning, and visualization. This course aims to nelp ensure MTU students are prepared for the challenges of working with today's data sets whether continuing on with further educational research pursuits or in amployment opportunities."

16)	Faculty Contact	
	Faculty proposing this course (please print): Name	Laura Brown
	Email	iebrown@mtu.edu

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