CURRICULUM COMMITTEE REPORT

The Curriculum Committee met on March 22, 2016 and recommends the following courses to the Graduate Board for approval at its March 31, 2016 meeting.

New Courses:

SFR 528 Qualitative Data Analysis in Natural Resources SFR 570 Cellulose Nanomaterials and their Composites

Modifications.

BUA 698 Independent Study BUA 697 Field Experience in Accounting BUA 695 MBA Internship **BUA 668 Electronic Commerce** BUA 653 Investment Management BUA 652 Management of Financial Institutions **BUA 649 Management Policy** BUA 645 Selected Advanced Topics in Business Administration BUA 641 Organizational Consulting BUA 639 Contemporary Issues in International Business BUA 626 Management of Contemporary organizations BUA 620 Law, Business, and Society BUA 608 Topics in Accounting BUA 605 Creating and Capturing Value in the Digital Economy BUA 601 Statistical Analysis and Modeling for Organizational Operations BUA 596 International Field Study BUA 561 Knowledge Management and Decision Support Systems EDT 520 Digital Age Teaching and Learning Methods EDT 540 Instructional Design and Project Management FSN 512 Hazard Analysis Critical Control Points

FSN 530 Complementary Nutrition Practices



5755 Stodder Hall, Room 42 Orono, Maine 04469-5755 Tel: 207-581-3291 Fax: 207-581-3232 www2.umaine.edu/graduate

March 21, 2016

- To: Curriculum Committee: Scott Delcourt Ali Abedi Pat Burnes Deborah Rooks-Ellis Grant Miles Xuan Chen Deborah Rollins Matthew Biddle
- Fr: Erin Twitchell, Administrative Specialist

Re: Curriculum Committee, March 22nd, 2016 Stodder Hall, Room #48

The following courses will be presented on **Tuesday**, **March 22nd st 2 p.m**. in the Graduate School's Conference Room, 48 Stodder Hall.

1. 2:10-2:25 EDT 520/540

Johanna Prince by phone- 207-265-6724

2. 2:25-2:30 ERL 547/548

Deborah Rooks-Ellis

3. 2:30-2:40 BUA 698, 697, 695, 668, 653, 652, 649, 645, 641, 639, 626, 620, 608,

605, 601, 596, and 561

Richard Borgman

MAINE'S LAND GRANT AND SEA GRANT UNIVERSITY A Member of the University of Maine System



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- 4. 2:40-2:50 BREAK
- 5. 2:50-2:55 CIE 558

No Presentation

6. 2:55-3:00 FSN 512

No Presentation

7. 3:00-3:10 FSN 530

Mary Camire

8. 3:10-3:20 SFR 528

Sandra De Urioste-Stone

9. 3:20-3:30 SFR 570

Medhi Tajvidi

10. 3:30-3:40 CAN 599

Betsy Arntzen

MAINE'S LAND GRANT AND SEA GRANT UNIVERSITY A Member of the University of Maine System



GRADUATE PROGRAM/UNIT		MEd in	Instructional Technology	ogy
COURSE DESIGNATOR	EDT	COURSE NUMBER	520 EFFECTIVE SEMESTER	Summer 2016
	Dig	ital Age Teach	ing and Learning Meth	nods

REQUESTED ACTION:

NOTE: A complete syllabus is required for all <u>new</u> courses and for the addition of an <u>electronic learning component</u>¹ to an existing course.

NEW COURSE (check all that apply and complete Section 1):

New Course

New Course with Electronic Learning¹

Experimental

MODIFICATION (Check all that apply and complete Section 2):

Designator Change	Prerequisite Change	Other (specify)	
Number Change	Credit Change		
X Title Change	Cross Listing (must be at	least 400-level) ²	
X Description Change	Addition of Electronic Lea	arning Component ¹	

ELIMINATION:

Course Elimination

ENDORSEMENTS (Print name)	/ Date	/ Sign Initials
Leader, Initiating Department/Unit(s)	ant a Biller	W 210 4/16 803
Johanna Prince	2.11.14	SKP
College(s) Curriculum Committee Chair(s) [1/ appil	couldinatir 2/11/11 [cable] 2-23-16	OD4E
College Dean(s)	y19/14	m
Graduate School		

Imponents (type of course/used by Student Records for MaineStreet) - Multiple selections are possible for courses with blip in on-graded components:	opulated dotalog out	cription (melode designato	r, number, title, prerequisites, creat		
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	or CED, either to the	instructor of this course of	r to anyone else as a result of rearra	nging teaching assignments	

Current catalog description (include designator, number, title, prerequisites, credit hours):

EDT 520

Methods of Teaching Computer Technology

Provides practical and understandable information about integrating technology in K-12 classrooms. Examines tool applications (WD, DB, SS and Telecommunications), multimedia and categories of software. Explores ways these support learning 3 credits

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Digital Age Teaching and Learning Methods In this foundational course students will explore how digital tools allow for new models of teaching and learning. Students will engage in a critical review of how technology has been used, and explore current trends in educational settings. Students will discuss relevant theories of cognition, explore issues of access and equity, and consider how curriculum, instruction, and assessment might be designed with the support of technology. The learning environment for the course will model different engagement, instructional, and assessment strategies including readings, multiple modes of discussion and reflection, practical applications, design projects, and social networks.

Reason for course modification:

The MEd in IT program is being revised and updated. We believe this new course description and title reflect the updated vision for the program, and the field of educational technology.

SECTION 3 FOR COURSE ELIMINATIONS:

Reason for Elimination

Please return the completed form with appropriate signatures and documentation to the Graduate School. 5775 Stodder Hall, Room 42 Orono, Maine 04469-5775

Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf



GRADUATE PROGRAM/U	INIT MEd	in Instructional T	echnol	ogy
COURSE DESIGNATOR	EDT COURSE NUMB	ER 540 EFFECTIVE SE	MESTER	Summer 2016
COURSE TITLE	Instructional De	sign and Project	Manage	ement
REQUESTED ACTI				
	ete syllabus is required		d for the a	addition
of an <u>electronic</u>	learning component ¹	to an existing course.		
NEW COURSE (check al	ll that apply and comple	te Section 1):		
New Course with Electr	onic Learning [*]			
Experimental	- It that a poly and com	alata Castion 3):		
Designator Change	k all that apply and com		a)	
Number Change	Credit Change	Octor (specifi		
Title Change		e at least 400-level) ²		
X Description Change		ic Learning Component ¹		
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ELIMINATION:				
Course Elimination				
ENDORSEMENTS (Prin	nt name)	Date	Sign I	nitials
k Leader, Initiating Depa	rtment/Unit(s)	Cabillique	2/24/1	6 805
Johanna Prince		2.11.16	3K	R
	11 Prostem Arta (001 Committee Chair(s) [11 applicable		11	am
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College Dean(s)				1/ -
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Graduate School				

Proposed Catalog Description	(include designator, number	, title, prerequisites, credit hours);	

moonents (type of c	ourse/used by Student Rec	ords for MaineStreet) – Multiple se	ections are possible for cou	irses with
litiple non-graded co	imponents:			
Applied Music	Clinical	Field Experience/Internship	Research	Studio
] Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
ext(s) planned for us	e:			
ourse instructor (inc	lude name, position, teach	ng load):		
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Current catalog description (Include designator, number, title, prerequisites, credit hours):

EDT 540, Principles of Instructional Design (required for students with a non-education degree) Principles of strategic and systematic design, implementation and evaluation of instruction with emphasis on integration of technology.

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

EDT 540 Instructional Design and Project Management

In this hands-on, project-based course, students will design and develop an authentic technology-based learning experience based in sound instructional design principles. Students will present several iterations of their designs to the class, participate in peer critiques, and continually improve their projects over the semester. As instructional designers work in a team, each student contributes to, and benefits from consulting with peers. They use their skills to help others and improve their own projects. Students will also explore additional instructional design frameworks and learning theories to improve fluency and flexible thinking while managing instructional design projects. This is a class that embraces creativity, active learning, social learning, and design thinking.

Reason for course modification:

The MEd in IT program is being revised and updated. We believe this new course description and title reflect the updated vision for the program, and the field of educational technology.

SECTION 3 FOR COURSE ELIMINATIONS:

Reason for Elimination

Please return the completed form with appropriate signatures and documentation to the Graduate School. 5775 Stodder Hall, Room 42 Orono, Maine 04469-5775

Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf



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GRADUATE PROGRAM/UN	TIV		Bu	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	596	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Intern	nationa	l Field Study	
of an <u>electronic l</u> NEW COURSE (check all New Course New Course with Electron Experimental MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	te sylla earning that ap nic Learn all that X Pi X Ci X Ci X Ci	g component ¹ to a ply and complete S	n exist ection e Sectio least 40	1): on 2):] Other (specify) 	dition
ENDORSEMENTS (Print		/11-:+/-)	Date	Sign In	itials
Leader, Initiating Depar Richard Borgman	tment	• •	.25	-10 RIE	3
College(s) Curriculum C	ommit	tee Chair(s) [if appl	icable		
NA					
College Dean(s)					
Ivan Manev		2.	26-	16 IM	
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

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		ords for MaineStreet) – <i>Multiple sel</i>	ections are possible for o	courses with
multiple non-graded cor Applied Music	nponents:	Field Experience/Internship	Research	Studio
_	Lecture/Seminar		Independent	
Laboratory		Recitation	Study	Thesis
Text(s) planned for use:				
Course Instructor (includ	le name, position, teachin	g load):		
Reason for new course:				
Course,				
		tment or institutional facilities, supp		
computer support and se	ervices, staffing (including	graduate teaching assistants), or lib	prary subscriptions and r	esources?
(No. The department	t will not request addition	al resources for this course.		
C Yes. Please list addit	tional resources required a	and note how they will be funded or	r supported.	
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	s expressed : Flease expla			
		g this course result in overload sala		ough the college or
CED, either to the instru-	ctor of this course or to ar	yone else as a result of rearranging	teaching assignments?	

Current catalog description (include designator, number, title, prerequisites, credit hours):

Provides an opportunity to learn about foreign culture, to visit with foreign government and business officials, and to learn about business practices worldwide via a hands-on immersion experience. Course includes preparatory class work and a final report.

Prerequisites & Notes

permission, only open to graduate students or advanced undergraduates in the University of Maine Business School.

Credits: 3-4

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Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Provides an opportunity to learn about foreign culture, to visit with foreign government and business officials, and to learn about business practices worldwide via a hands-on immersion experience. Course includes preparatory class work and a final report.

Prerequisites & Notes Permission of the University of Maine Business School Office of Graduate Programs.

Credits: 3

Reason for course modification:

New prerequisite and credit requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



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GRADUATE PROGRAM/UNIT Business Administration					
COURSE DESIGNATOR	BUA	COURSE NUMBER	561 E	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Knowledge Managen	nent and	Decision Support System	S
REQUESTED ACTI	ON:				
NOTE: A comple	ete sylla	bus is required for	all <u>new</u>	courses and for the ad	dition
		<u>component</u> ¹ to a			
NEW COURSE (check all			ection 1)):	
New Course with Electro Experimental	onit Learn	ing'			
MODIFICATION (Check Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pr Cr Cr Ac	apply and complete erequisite Change edit Change oss Listing (must be at ddition of Electronic Lea	[east 400-	Dther (specify)	-
ENDORSEMENTS (Print	: name)		Date	Sign Ini	tials
Leader, Initiating Depa	rtment/				
Richard Borgman		2	.25.	16	<u>^</u>
College(s) Curriculum (Commit	tee Chair(s) [if appl	icable]		
NA					
College Dean(s)					
lvan Manev		2	-26-	16 IM	
Graduate School					

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Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

Components (type of cc	ourse/used by Student Rec	ords for MaineStreet) – Multiple s	elections are possible for	courses with
multiple non-graded cor		_		
Applied Music	Clinical	Field Experience/Internshi		Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
Text(s) planned for use:				
Course Instructor (inclue	de name, position, teachin	g load):		
Reason for new course:				
		tment or institutional facilities, su ; graduate teaching assistants), or		
(No. The departmen	t will not request addition	al resources for this course.		
GYes. Please list addi	tional resources required	and note how they will be funded	or supported.	
		e.g. course overlap, prerequisites	? Have affected departme	ents/programs been
consulted? Any concerr	ns expressed? Please expl	ain.		
How often will this cour				

Current catalog description (include designator, number, title, prerequisites, credit hours):

This course is designed to explore the dimensions of knowledge management that influence the competitive advantage of organizations. Major topics include the ability to harness intellectual capital for innovation, knowledge creation, sharing, storage and accessibility. Appropriate technologies will be used to apply these concepts.

Prerequisites & Notes BUA 235 or equivalent, BUA 325 or equivalent, senior or graduate standing and permission of the University of Maine Business School. Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

This course is designed to explore the dimensions of knowledge management that influence the competitive advantage of organizations. Major topics include the ability to harness intellectual capital for innovation, knowledge creation, sharing, storage and accessibility. Appropriate technologies will be used to apply these concepts.

Prerequisites & Notes Seniors or graduate students in good standing. Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT		Business Ac	ministration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	601 EFFECTI	VE SEMESTER	Fall 2016
COURSE TITLE	Statis	tical Analysis and M	odeling for Org	anizational Operati	ons
REQUESTED ACTIO					
NOTE: A complet	e syllab	us is required for a	all <u>new</u> course	s and for the add	ition
of an <u>electronic le</u>	earning o	component ¹ to an	n existing cour	se.	
NEW COURSE (check all t New Course New Course with Electron			ection 1):		
Experimental					
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION:	Number Change Credit Change Title Change Cross Listing (must be at least 400-level) ² Description Change Addition of Electronic Learning Component ¹				
Course Elimination					
ENDORSEMENTS (Print n	ame)	C	Date	Sign Initi	als
Leader, Initiating Depart	ment/U	nit(s)	11		
Richard Borgman		2	25-10	_RB	
College(s) Curriculum Co	mmittee	e Chair(s) [if appli	cable]		
NA					
College Dean(s)					
Ivan Manev		2.	26-16	M	
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

nultiple non-graded components: Applied Music Clinical Field Experience/Internship Independent Independent Study The second seco	
multiple non-graded components: Applied Music Clinical Iaboratory Lecture/Seminar Recitation Study Ext(s) planned for use: Course Instructor (include name, position, teaching load):	
hultiple non-graded components: Applied Music Clinical Haboratory Lecture/Seminar Recitation Study Ext(s) planned for use: Course Instructor (include name, position, teaching load):	
hultiple non-graded components: Applied Music Clinical Haboratory Lecture/Seminar Recitation Study Ext(s) planned for use: Course Instructor (include name, position, teaching load):	
multiple non-graded components: Applied Music Clinical Iaboratory Lecture/Seminar Recitation Study Ext(s) planned for use: Course Instructor (include name, position, teaching load):	
nultiple non-graded components: Applied Music Clinical Field Experience/Internship Independent Independent Study The second seco	
Applied Music Conneal Conneal	
Applied Music Clinical Laboratory Lecture/Seminar Recitation Independent The study The study The study Course Instructor (include name, position, teaching load):	1
Laboratory Lecture/Seminar Recitation Independent Study Fext(s) planned for use: Course Instructor (include name, position, teaching load):	udio
Text(s) planned for use: Course Instructor (include name, position, teaching load): Reason for new course:	nesis
Reason for new course:	
Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?	faciliti

 \bigcirc No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Familiarizes the student with statistical data analysis and management science techniques as they support decision-making throughout an organization. The course integrates statistical analysis and modeling techniques into the study of processes that create value through the production of goods, services, and information.

Prerequisites & Notes Must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Familiarizes the student with statistical data analysis and management science techniques as they support decision-making throughout an organization. The course integrates statistical analysis and modeling techniques into the study of processes that create value through the production of goods, services, and information.

Prerequisites & Notes

STS 215 or STS 232 or equivalent or previous statistics course approved by the MBA Director; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program. Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT		Bus	iness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	605	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Creating & Capturi	ng Value	e in the Digital Economy	
REQUESTED ACTIO	N:				
NOTE: A complet	e sylla	bus is required for a	all <u>new</u>	courses and for the add	lition
		<u>g component ¹ to ar</u>			
NEW COURSE (check all t New Course New Course with Electron			ction 1):	
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pr Ci Ci	apply and complete rerequisite Change redit Change ross Listing (must be at l ddition of Electronic Lea	🗌 east 400	Other (specify)	
ENDORSEMENTS (Print r	name)	ſ	Date	Sign Init	ials
Leader, Initiating Depart	ment/	/Unit(s)			
Richard Borgman		7	-85-	10 RIB	
College(s) Curriculum Co	ommit	tee Chair(s) [if appli	cable]		
NA					
College Dean(s)					
Ivan Manev		2	-26	16 IM	
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

Components (type of co nultiple non-graded co		ords for MaineStreet) Multiple sele	ections are possible for (courses with
Applied Music	Clinical	Field Experience/Internship	Research	🗌 Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
ext(s) planned for use:			,	
ourse Instructor (inclu	de name, position, teachin	g load):		
	de name, position, teachin	g load):		
	de name, position, teachin	g load):		
	de name, position, teachin	g load):		
course Instructor (inclue	de name, position, teachin	g load):		

○ No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Represents an integration of concepts and principles from the Marketing and Management Information Science disciplines. The Internet is offering radical new ways of conducting business. This course presents students with concepts and information-based strategies for capturing and creating value in the new information-based economy by assimilating sound marketing strategies with information systems to create innovative processes and marketing practices.

Prerequisites & Notes Must have graduate standing. Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Represents an integration of concepts and principles from the Marketing and Management Information Science disciplines. The Internet is offering radical new ways of conducting business. This course presents students with concepts and information-based strategies for capturing and creating value in the new information-based economy by assimilating sound marketing strategies with information systems to create innovative processes and marketing practices.

Prerequisites & Notes

BUA 270 or equivalent or Business School Graduate Marketing Tutorial; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program. Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UNIT			Business Administration			
COURSE DESIGNATOR	BUA	COURSE NUMBER	608 EFFECTIVE SEMESTER	Fall 2016		
COURSE TITLE		Торі				

REQUESTED ACTION:

	e syllabus is required f arning component ¹ to				
NEW COURSE (check all the New Course New Course New Course with Electronic Experimental		Section 1):			
MODIFICATION (Check al	X Prerequisite Change	ete Section 2): Other (sp	ecify)		
 Title Change Description Change 	Title Change Cross Listing (must be at least 400-level) ²				
ELIMINATION:					
ENDORSEMENTS (Print n	ame)	Date	Sign Initials		
Leader, Initiating Departu Richard Borgman	ment/Unit(s)	2.25-16	RTHB		
College(s) Curriculum Co	mmittee Chair(s) [if ap	plicable]			
College Dean(s) Ivan Manev	2	1-26-16	IM		
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours);

			Э.	
omponents (type of co oultiple non-graded co		ords for MaineStreet) – Multiple sel	ections are possible for a	courses with
Applied Music	Clinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	□ Independent Study	Thesis
ext(s) planned for use:				
ourse Instructor (inclu	de name, position, teachir	ig load):		
		ıg load):		
		ng load):		
		ng load):		
		ng load):		
ourse Instructor (inclu eason for new course:		ng load):		
		ng load):		

○ No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Course coverage varies. Recent courses have included readings in accounting history and theory, accounting research using the FASB's Codification to answer complex accounting issues presented in case studies and discussions of contemporary national and international accounting issues.

Prerequisites & Notes BUA 301, BUA 302 or permission.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Course coverage varies. Recent courses have included readings in accounting history and theory, accounting research using the FASB's Codification to answer complex accounting issues presented in case studies and discussions of contemporary national and international accounting issues.

Prerequisites & Notes

BUA 301 and BUA 302 or equivalents. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT		Business Adminis	stration	
COURSE DESIGNATOR	BUA CO	OURSE NUMBER	620 EFFECTIVE SE	MESTER	Fall 2016
COURSE TITLE		Law, Bu	siness, and Society	17	
REQUESTED ACTIO NOTE: A complete of an <u>electronic le</u> NEW COURSE (check all th New Course New Course with Electronic Experimental MODIFICATION (Check al Designator Change Number Change Title Change Description Change	e syllabus arning co nat apply c Learning ¹ l that app X Prerec Credit	s is required for a amponent ¹ to an and complete See	II <u>new</u> courses and existing course. Section 1): Other (specify) ast 400-level) ²		ition
ELIMINATION:					
ENDORSEMENTS (Print na Leader, Initiating Departr		it(s)	ate	Sign Initi	als
Richard Borgman			25-18_	KINB	
College(s) Curriculum Con	nmittee	Chair(s) [if applic	able]		
College Dean(s) Ivan Manev Graduate School		2-	26-16	M	

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

		8		
mponents (type of a	course/used by Student Rec	ords for MaineStreet) – Multiple sel	ections are possible for a	courses with
ltiple non-graded c	omponents:			
Applied Music	Clinical	Field Experience/Internship	Research	🔲 Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
xt(s) planned for use			Study	
xt(s) planned for use				
ourse Instructor (incl	ude name, position, teaching	ng load):		
ason for new course	2:			

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

○ No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Introduces managers to current U.S. laws and regulations that impact on the operations of business. Employs an interdisciplinary approach to the study of law, utilizing elements of political economy, international business, ethics, social responsibility and management theory.

Prerequisites & Notes

MBA or MSA student or permission of the university of Maine Business School; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Introduces managers to current U.S. laws and regulations that impact on the operations of business. Employs an interdisciplinary approach to the study of law, utilizing elements of political economy, international business, ethics, social responsibility and management theory.

Prerequisites & Notes

MBA student or permission of the University of Maine Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IIT		Business /	Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	626 EFFEC	TIVE SEMESTER	Fall 2016
COURSE TITLE		Management o	of Contemporar	y Organizations	
REQUESTED ACTIO	N:				
NOTE: A complet	e sylla	bus is required for	r all <u>new cour</u> s	ses and for the add	lition
		<u>component</u> ¹ to a			
NEW COURSE (check all t			Section 1):		
 New Course with Electron Experimental 	ic Learn	ing ¹			
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pr	apply and complet rerequisite Change redit Change ross Listing (must be at ddition of Electronic Le	Other		
ENDORSEMENTS (Print r	name)		Date	Sign Init	ials
Leader, Initiating Depart	:ment/	'Unit(s)			
Richard Borgman		_2	.25-18	RHB	
College(s) Curriculum Co	mmit	ee Chair(s) [if app	licable]		
NA				· · · · · · · · · · · · · · · · · · ·	
College Dean(s)					
lvan Manev		2.	-26-16	M	
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours): Components (type of course/used by Student Records for MaineStreet) - Multiple selections are possible for courses with multiple non-graded components: Clinical Research Studio Applied Music Field Experience/Internship Independent Lecture/Seminar Thesis Laboratory Recitation Study Text(s) planned for use: Course Instructor (include name, position, teaching load): Reason for new course: Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources? ○ No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

8

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Explores analytical perspectives to understand how individuals organize themselves in accomplishing organizational goals. Applies a managerial approach with a focus on real-life contemporary organizations. Topics include organizational structure and culture, teamwork and diversity, the organization and its environment.

Prerequisites & Notes

MAT 215 and BUA 325 or equivalents or Business School Graduate Tutorials in Management and Statistics; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Explores analytical perspectives to understand how individuals organize themselves in accomplishing organizational goals. Applies a managerial approach with a focus on real-life contemporary organizations. Topics include organizational structure and culture, teamwork and diversity, the organization and its environment.

Prerequisites & Notes

BUA 325 or equivalent or Business School Graduate Management Tutorial; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	1IT		Business	Administration	
COURSE DESIGNATOR	BUA COU	RSE NUMBER		CTIVE SEMESTER	Fall 2016
COURSE TITLE	C	ontemporary ls		ational Business	
REQUESTED ACTIO	N:				
NOTE: A complet	e syllabus is	required for a	all <u>new</u> cour	ses and for the add	lition
of all electronic le	earning com	ponent ¹ to ar	existing co	urse.	
NEW COURSE (check all t	hat apply an	d complete Se	ction 1):		
 New Course with Electroni Experimental 	c Learning ¹				
MODIFICATION (Check a Designator Change Number Change Title Change Description Change	 Prerequis Credit Ch Cross List 	ite Change	Other (
Course Elimination					
ENDORSEMENTS (Print na	ame)	D	ate	Sign Initia	
Leader, Initiating Departr	nent/Unit(s				di5
Richard Borgman		2.2	6-15	RHB	
College(s) Curriculum Cor	nmittee Cha	ir(s) [if applic	able]		
NA			-		
College Dean(s)					
lvan Manev		2-2	6-16	14	
Graduate School					

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

Components (type of cou	urse/used by Student Reco	ords for MaineStreet) – Multiple sele	ections are possible for cou	rses with
multiple non-graded com	ponents:	Field Experience/Internship	Research	Studio
Applied Music Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
Text(s) planned for use:				
Course Instructor (incluc	de name, position, teachin	g load):		
Reason for new course:				

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

 \bigcirc No. The department will not request additional resources for this course.

 $igcar{}$ Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Discussion of international business policies, strategies, and operations with emphasis on the interplay between business and different cultural, economic, and political-legal environments.

Prerequisites & Notes

BUA 325 or equivalent or Business School Graduate Management Tutorial; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Discussion of international business policies, strategies, and operations with emphasis on the interplay between business and different cultural, economic, and political-legal environments.

Prerequisites & Notes BUA 325 or equivalent or Business School Graduate Management Tutorial. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



37

GRADUATE PROGRAM/UN	IIT		Bu	siness A <mark>dm</mark> i	inistration	
COURSE DESIGNATOR	BUA	COURSE NUMB	R 641	EFFECTIVE	SEMESTER	Fall 2016
COURSE TITLE		Or	ganizationa	al Consultin	g	
REQUESTED ACTIO	N:					
NOTE: A complet	e sylla	bus is required	for all <u>nev</u>	<u>v</u> courses a	and for the add	ition
of an <u>electronic le</u>	earning	<u>component</u> ¹ t	o an exist	ing course		
NEW COURSE (check all t	hat app	oly and complet	e Section	1):		
New Course with Electron Experimental	ic Learni	ngʻ				
MODIFICATION (Check a	ll that a	apply and comp	lata Sactir	n 2\.		
Designator Change		erequisite Change		Other (spec	:5.4	
Number Change		edit Change		other (spec		
Title Change		oss Listing (must be		o. L. D. 2		
Description Change		dition of Electronic				
			Learning Co	omponent		
Course Elimination						
ENDORSEMENTS (Print r	name)		Date		Sign Initi	als
Leader, Initiating Depart	ment/	Unit(s)				
Richard Borgman		,	2.22	-16	RHB	
College(s) Curriculum Co	mmitt	ee Chair(s) [if a	oplicable]			
NA						
College Dean(s)						
lvan Manev			276	-16	1M	
Graduate School						

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

Components (type of a multiple non-graded co		ords for MaineStreet) – Multiple sel	ections are possible for a	courses with
Applied Music	Clinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
<pre>Fext(s) planned for use</pre>				
Course Instructor (incl	ude name, position, teachir	ng load):		
Reason for new course	1			

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

○ No. The department will not request additional resources for this course.

○ Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

A field based course, providing consulting services to firms based in Maine and beyond. Demands skills in qualitative and quantitative analysis and in written and oral expression.

Prerequisites & Notes Permission of the instructor.

Credits: 3-4

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

A field based course, providing consulting services to firms based in Maine and beyond. Demands skills in qualitative and quantitative analysis and in written and oral expression.

Prerequisites & Notes Permission of the instructor. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT	Business Administra	tion
COURSE DESIGNATOR	BUA COURSE NUMBER	645 EFFECTIVE SEME	STER Fall 2016
COURSE TITLE	Selected Advanced	Topics in Business Admin	istration
	N: e syllabus is required for earning component ¹ to a		or the addition
NEW COURSE (check all the New Course New Course New Course with Electronic Experimental		ection 1):	
MODIFICATION (Check al Designator Change Number Change Title Change Description Change	II that apply and complete Prerequisite Change Credit Change Cross Listing (must be at Addition of Electronic Lea	Other (specify) — least 400-level) ²	
ELIMINATION:			
ENDORSEMENTS (Print n Leader, Initiating Depart	•	Date	Sign Initials

College(s) Curriculum Committee Chair(s) [if applicable]

Richard Borgman

		NA
		College Dean(s)
IM	2-26-16	lvan Manev
		Graduate School
/''	0	Graduate School

2-25-10

RB

Proposed Catalog Desc	cription (include designator,	number, title, prerequisites, credit	hours):	
Components (type of a multiple non-graded c		ords for MaineStreet) – Multiple sel	ections are possible for a	courses with
Applied Music	Clinical	Field Experience/Internship	Research	🔄 Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
<pre>Fext(s) planned for use</pre>	2:			
Course Instructor (incl	ude name, position, teachin	g load):		
L Reason for new course	::			
1				

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

○ No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Advanced study in various aspects of functional areas of accounting, finance, management, marketing, and management information systems.

Prerequisites & Notes permission.

Credits: 1-6

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Advanced study in various aspects of functional areas of accounting, finance, management, marketing, and management information systems.

Prerequisites & Notes MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 1-3

Reason for course modification:

New prerequisite and credit requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT		Bu	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	8 649	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Λ	/lanageme	ent Policy	
REQUESTED ACTIO	N:				
NOTE: A complet	e sylla	bus is required fo	or all new	courses and for the add	ition
of an <u>electronic le</u>	arning	component ¹ to	an existi	ng course.	
NEW COURSE (check all t					
 New Course with Electroni Experimental 	c Learni	ng¹			
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pro	apply and comple erequisite Change edit Change oss Listing (must be a dition of Electronic L	ut least 400	Other (specify)	
ENDORSEMENTS (Print n	ame)		Date	Sign Initi	als
Leader, Initiating Depart	nent/	Unit(s)			
Richard Borgman		2	-26-1	5 RHB	
College(s) Curriculum Co	nmitte	ee Chair(s) [if app	licable]		
NA					
College Dean(s)					
lvan Manev		2	-26-	-16 IM	
Graduate School					

SECTION 1 (FOR NEW COURSE PROPOSALS):

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

	1			
omponents (type of o	course/used by Student Rec	ords for MaineStreet) – Multiple se	elections are possible for a	courses with
nultiple non-graded con Applied Music	Clinical	Field Experience/Internship	Research	Studio
 Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
ext(s) planned for use	2;			
Course Instructor (incl	lude name, position, teachi	ng load):		
eason for new course	2:			
Does the course addit	tion require additional depa	rtment or institutional facilities, su g graduate teaching assistants), or	pport and/or resources, library subscriptions and	e.g. new lab facilities resources?
		nal resources for this course.		
		and note how they will be funded	or supported.	
What other departm	ents/programs are affected	(e.g. course overlap, prerequisites)? Have affected departm	nents/programs beer
consulted? Any conc	erns expressed? Please exp	blain.		
How often will this concernent to the instance of the second seco	ourse be offered? Will offe structor of this course or to	ring this course result in overload s anyone else as a result of rearrang	alary payments, either th ing teaching assignments	arough the college of s?
1				

Current catalog description (include designator, number, title, prerequisites, credit hours):

Study of administrative practices at the strategic level of business management. Develops administrative competence in the formulation of business policy at the decision-making level through case study.

Prerequisites & Notes

BUA 605, BUA 651 and one additional 600-level BUA course; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Study of administrative practices at the strategic level of business management. Develops administrative competence in the formulation of business policy at the decision-making level through case study.

Prerequisites & Notes BUA 605, BUA 651 and one additional 600-level BUA course; MBA students only.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UNI	Т		Bu	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	652	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Manageme	nt of Fir	nancial Institutions	
REQUESTED ACTIO	N:				
NOTE: A complete	e sylla	bus is required for	all nev	v courses and for the ac	ldition
of an <u>electronic le</u>	arning	component ¹ to a	n exist	ing course.	
NEW COURSE (check all th	nat apj	oly and complete S	ection	1):	
 New Course with Electronic Experimental 	: Learni	ng¹			
MODIFICATION (Check al Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	Pro Cru Cru Cru Ad	apply and complet erequisite Change edit Change oss Listing (must be at Idition of Electronic Le	least 400	Other (specify)	
ENDORSEMENTS (Print n			Date	Sign In	itials
Leader, Initiating Departi	ment/			1 00	
Richard Borgman		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-25-	10 KB	
College(s) Curriculum Co	mmitt	ee Chair(s) [if appl	icable]		
NA					
College Dean(s)			0		
Ivan Manev		2	-16	;-16 [M	
Graduate School					

SECTION 1 (FOR NEW COURSE PROPOSALS):

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

			1.11. 11.1.1.	
Components (type of co multiple non-graded cor		ords for MaineStreet) Multiple se	iections are possible for a	courses with
Applied Music	Clinical	Field Experience/Internship	Research	Studio
	Lecture/Seminar	Recitation	Independent	Thesis
Laboratory		Recitation	└── Study	
fext(s) planned for use:				
Course Instructor (inclue	de name, position, teachin	g load):		
Leason for new course:				
Door the course additio	n require additional depar	tment or institutional facilities, sup	port and/or resources e	g new lab facilities
computer support and s	ervices, staffing (including	graduate teaching assistants), or I	ibrary subscriptions and i	resources?
		al resources for this course.		
			ar supported	
(Yes. Please list addi		and note how they will be funded o	or supported.	
What other department	s/programs are affected (e.g. course overlap, prerequisites)	Phave affected departme	ents/programs beer
consulted? Any concerr	ns expressed? Please expl	aın.		
1				

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Approaches management of financial institutions through readings, cases and guest speakers. Emphasizes recognition, analysis and management of major risks faced by financial intermediaries in a global environment.

Prerequisites & Notes

BUA 350 or equivalent or Business School Graduate Finance Tutorial; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Approaches management of financial institutions through readings, cases and guest speakers. Emphasizes recognition, analysis and management of major risks faced by financial intermediaries in a global environment.

Prerequisites & Notes

BUA 350 or equivalent or Business School Graduate Finance Tutorial; must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UN	IT		Bu	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	653	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Inve	stment N	lanagement	
REQUESTED ACTIO	N:				
NOTE: A complet	e sylla	bus is required fo	r all nev	courses and for the add	lition
of an <u>electronic le</u>	arning	<u>component</u> ¹ to	an exist	ing course.	
NEW COURSE (check all t					
 New Course with Electroni Experimental 	c Learni	ng 1			
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pro	apply and comple erequisite Change edit Change oss Listing (must be a dition of Electronic Lu	t least 400	Other (specify)	
ENDORSEMENTS (Print n	ame)		Date	Sign Initi	als
Leader, Initiating Depart	ment/l	Unit(s)			
Richard Borgman		2	.25-	10RB	
College(s) Curriculum Co	mmitte	ee Chair(s) [if app	licable]		
NA					
College Dean(s)					
Ivan Manev		2	-26 -	16 /m	
Graduate School				<u> </u>	

SECTION 1 (FOR NEW COURSE PROPOSALS):

Proposed Catalog Description	(include designator,	, number, title	e, prerequisites,	credit l	hours):
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		ords for MaineStreet) – <i>Multiple sel</i>	ections are possible for	courses with
ultiple non-graded cor Applied Music	Clinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
ext(s) planned for use:			Study	
ourse Instructor (inclu	de name, position, teachin	g load):		
eason for new course.				
				o g. now lab facilit
oes the course additic	on require additional depai services, staffing (including	rtment or institutional facilities, sup g graduate teaching assistants), or li	port and/or resources, or brary subscriptions and	e.g. new lab faciliti resources?
omputer support and	services, staffing (including	rtment or institutional facilities, sup g graduate teaching assistants), or li nal resources for this course.	port and/or resources, or brary subscriptions and	e.g. new lab faciliti resources?
omputer support and No. The department	services, staffing (including nt will not request additior	g graduate teaching assistants), or li	brary subscriptions and	e.g. new lab faciliti resources?
omputer support and No. The department	services, staffing (including nt will not request additior	g graduate teaching assistants), or li nal resources for this course.	brary subscriptions and	e.g. new lab faciliti resources?
omputer support and	services, staffing (including nt will not request additior	g graduate teaching assistants), or li nal resources for this course.	brary subscriptions and	e.g. new lab faciliti resources?
omputer support and	services, staffing (including nt will not request additior	g graduate teaching assistants), or li nal resources for this course.	brary subscriptions and	e.g. new lab faciliti resources?
OMPUTER SUPPORT and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c	brary subscriptions and	resources?
OMPUTER SUPPORT and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and	resources?
omputer support and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required nts/programs are affected	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and	resources?
omputer support and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required nts/programs are affected	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and	resources?
omputer support and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required nts/programs are affected	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and	resources?
omputer support and No. The departmen Yes. Please list add	services, staffing (including nt will not request additior litional resources required nts/programs are affected	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and	resources?
OMPUTER SUPPORT and No. The departmen Yes. Please list add Vhat other departmer onsulted? Any concer	services, staffing (including nt will not request addition litional resources required nts/programs are affected rns expressed? Please exp	g graduate teaching assistants), or li nal resources for this course. and note how they will be funded c (e.g. course overlap, prerequisites)?	brary subscriptions and or supported. ? Have affected departm	resources? hents/programs be

Current catalog description (include designator, number, title, prerequisites, credit hours):

Analysis and valuation procedures to determine the investment quality of specific securities. Sets criteria for formulation of a sound investment policy and selection of investment media to implement it. Develops techniques of portfolio management and periodic reappraisal.

Prerequisites & Notes

BUA 350 or equivalent or Business School Graduate Finance Tutorial; must have graduate standing.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Analysis and valuation procedures to determine the investment quality of specific securities. Sets criteria for formulation of a sound investment policy and selection of investment media to implement it. Develops techniques of portfolio management and periodic reappraisal.

Prerequisites & Notes

BUA 350 or equivalent or Business School Graduate Finance Tutorial; must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



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GRADUATE PROGRAM/U	NIT		Bus	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	668	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Elec	tronic (Commerce	
REQUESTED ACTIO	DN:				
NOTE: A comple	te sylla	bus is required for	all <u>nev</u>	courses and for the ad	dition
of an <u>electronic</u>	learnin	<u>g component</u> ¹ to a	n exist	ing course.	
NEW COURSE (check all	that ap	ply and complete S	ection	1):	
New Course					
New Course with Electro	nic Learn	ing ¹			
Experimental					
MODIFICATION (Check	all that	apply and complete	e Sectio	on 2):	
Designator Change	X P	rerequisite Change		Other (specify)	
Number Change		redit Change			
Title Change		ross Listing (must be at	least 40	D-level) ²	
Description Change	🗆 A	ddition of Electronic Lea	arning Co	omponent ¹	
ELIMINATION:					
Course Elimination					
ENDORSEMENTS (Print	name)		Date	Sign In	itials
Leader, Initiating Depar	rtment,	••			
Richard Borgman			2-29	Eld KB	
College(s) Curriculum C	Commit	tee Chair(s) [if appl	icable]		
NA					
College Dean(s)					
Ivan Manev		2	-76	-16	4
Graduate School					
-					

	ription (include designator			
Components (type of c nultiple non-graded co		ords for MaineStreet) – Multiple sel	lections are possible for a	courses with
Applied Music	Clinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
ext(s) planned for use			7	
ourse Instructor (inclu	Ide name, position, teachin	ng load):		
		ng load):		
eason for new course:		ng load):		
		ıg load):		
eason for new course: oes the course additic	on require additional depar	tment or institutional facilities, supp ; graduate teaching assistants), or lit		
eason for new course oes the course additio omputer support and	on require additional depar services, staffing (including	tment or institutional facilities, supp		

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What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Prepares current and future managers to gain an understanding of how e-commerce and technologies have radically altered the business environment and how to succeed and thrive in this new economy.

BUA 605; or BUA 335 and BUA 370 or equivalents and permission of the University of Maine Business School; must have graduate standing.

Credits: 3

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Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Prepares current and future managers to gain an understanding of how e-commerce and technologies have radically altered the business environment and how to succeed and thrive in this new economy.

BUA 605, or BUA 235 and BUA 270 or equivalents (Business School Graduate Marketing Tutorial may substitute for BUA 270); MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



GRADUATE PROGRAM/UNIT Business Administration					
COURSE DESIGNATOR	BUA	COURSE NUMBER	695	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE			MBA Int	ernship	
REQUESTED ACTI	ON:				
NOTE: A compl	ete sylla	bus is required fo	or all <u>nev</u>	v courses and for the a	ddition
of an <u>electronic</u>	learnin	g component ¹ to	an exist	ing course.	
NEW COURSE (check al	l that ap	ply and complete	Section	1):	
New Course with Electro	onic Learn	ing ¹			
Experimental		-			
MODIFICATION (Check	all that	apply and comple	ato Soctiv	2)·	
Designator Change		rerequisite Change		Other (specify)	
Number Change		Credit Change			
Title Change		ross Listing (must be	ot loost 40	0 lovel) 2	
Description Change		ddition of Electronic I			
			Leanning C	omponent	
Course Elimination					
ENDORSEMENTS (Print	t name)		Date	Sign li	nitials
Leader, Initiating Depa	rtment	/Unit(s)			2
Richard Borgman			- 25-	16	5
College(s) Curriculum	Commit	tee Chair(s) [if ap	plicable]		
NA					
College Dean(s)					
lvan Manev		2	26	-16 /M	
Graduate School					

SECTION 1 (FOR NEW COURSE PROPOSALS):

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

		ords for MaineStreet) – Multiple sel	ections are possible for a	courses with
multiple non-graded co	mponents:	Field Experience/Internship	Research	
	Lecture/Seminar		Independent	Studio
Laboratory [ext(s) planned for use:		Recitation	L Study	Thesis
Course Instructor (inclu	de name, position, teachinį	g load):		
Leason for new course:				
Does the course additio	n require additional depart	ment or institutional facilities, supp graduate teaching assistants), or lib	port and/or resources, e	.g. new lab facilitie
	t will not request additiona		rary subscriptions and r	esources?
		nd note how they will be funded or	supported.	

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Field experience in business relevant to the student's educational development and career goals. (Neither past work experience or field experience courses taken at other campuses or universities will be permitted as substitutes.) Only open to MBA students.

Permission of Business School Graduate Director; open to MBA students.

Credits: 1-4

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Field experience in business relevant to the student's educational development and career goals. (Neither past work experience or field experience courses taken at other campuses or universities will be permitted as substitutes.) Only open to MBA students.

Permission of Business School Graduate Director:

Credits 1-3. Course may be repeated, but student may not earn more than 3 internship credits.

Reason for course modification:

New prerequisite and credit requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



4.4

GRADUATE PROGRAM/UNIT			Bu	siness Administration	
COURSE DESIGNATOR	BUA	COURSE NUMBER	697	EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE		Field E>	perience	e in Accounting	
REQUESTED ACTI	ON:				
NOTE: A compl	ete sylla	bus is required fo	r all <u>nev</u>	v courses and for the a	ddition
of an <u>electronic</u>	learning	<u>component</u> ¹ to	an exist	ing course.	
NEW COURSE (check al	l that ap	ply and complete	Section	1):	
New Course with Electro	onic Learn	ing ¹			
Experimental					
MODIFICATION (Check	X Pr Cr Cr Cr	apply and comple rerequisite Change redit Change ross Listing (must be a ddition of Electronic L	ut least 40	Other (specify)	
ENDORSEMENTS (Prin	t name)		Date	Sign I	nitials
Leader, Initiating Depa Richard Borgman	irtment/	/Unit(s)	7-25	-10 <u>RH</u>	B
College(s) Curriculum	Commit	tee Chair(s) [if ap	plicable]	l	
NA					
College Dean(s)					,
lvan Manev		8	2-20	6-16 1	M
Graduate School					

SECTION 1 (FOR NEW COURSE PROPOSALS): Proposed Catalog Description (include designator, number, title, prerequisites, credit hours): Components (type of course/used by Student Records for MaineStreet) - Multiple selections are possible for courses with multiple non-graded components: Applied Music Clinical Field Experience/Internship Research Studio Independent Laboratory Lecture/Seminar Recitation Thesis Study Text(s) planned for use: Course Instructor (include name, position, teaching load): Reason for new course:

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

(No. The department will not request additional resources for this course.

C Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Field experience in accounting relevant to the student's educational development and career goals. Neither past work experience nor field experience courses taken at other campuses or universities will be permitted as substitutes.

Permission; only open to students in the Master of Science in Accounting program.

Credits: 1-3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Field experience in accounting relevant to the student's educational development and career goals. Neither past work experience nor field experience courses taken at other campuses or universities will be permitted as substitutes.

Permission of Business School Office of Graduate Programs; only open to students in the Accounting MBA.

Credits: 1-3. Course may be repeated, but student may not earn more than 3 internship credits.

Reason for course modification:

New prerequisite requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



4

GRADUATE PROGRAM/UNIT Business Administration					
COURSE DESIGNATOR	BUA	COURSE NUMBE	R 698	EFFECTIVE SEMESTE	R Fall 2016
COURSE TITLE			Independe	ent Study	
REQUESTED ACTIO	DN:				
NOTE: A complet	te sylla	bus is required f	or all <u>nev</u>	v courses and for th	e addition
of an <u>electronic l</u>	earnin	<u>g component 1</u> t	o an exist	ing course.	
NEW COURSE (check all t	hat ap	ply and complet	e Section	1):	
 New Course with Electron Experimental 	ic Learn	ing ¹			
MODIFICATION (Check a Designator Change Number Change Title Change Description Change ELIMINATION: Course Elimination	X Pr X Cr Cr	apply and comp rerequisite Change redit Change ross Listing (must be ddition of Electronic	at least 40	Other (specify)	
ENDORSEMENTS (Print	name)		Date	Sig	n Initials
Leader, Initiating Depar	tment/	/Unit(s)			. 1
Richard Borgman			2-25	10 _10	4 <u>B</u>
College(s) Curriculum Co	ommit	tee Chair(s) [if a	oplicable]		
NA					
College Dean(s)			~ · ·	/	
lvan Manev			2-26	5.16 /	M
Graduate School					

SECTION 1 (FOR NEW COURSE PROPOSALS):

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Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

Components (type of c multiple non-graded cc		ords for MaineStreet) – Multiple sel	ections are possible for	courses with
Applied Music	Clinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
Text(s) planned for use				
Course Instructor (inclu	ide name, position, teachin	g load):		
Reason for new course:				
computer support and	services, staffing (including	tment or institutional facilities, supp graduate teaching assistants), or lib		
		al resources for this course.		
C Yes. Please list add	litional resources required a	and note how they will be funded o	r supported.	
	ts/programs are affected (ns expressed? Please expla	e.g. course overlap, prerequisites)? sin.	Have affected departme	ents/programs been

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Current catalog description (include designator, number, title, prerequisites, credit hours):

Provides an opportunity for well-qualified students to pursue a selected topic in great depth under the supervision of an individual faculty member. The topic is to be determined in consultation with the faculty instructor.

Permission of the Instructor and the MBA Director.

Credits: 1-4

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Provides an opportunity for well-qualified students to pursue a selected topic in great depth under the supervision of an individual faculty member. The topic is to be determined in consultation with the faculty instructor.

Permission of Business School Graduate Director. Independent study must be approved by the Business School Graduate Curriculum and Learning Committee.

Credits: 3

Reason for course modification:

New prerequisite and credit requirements.

SECTION 3 FOR COURSE ELIMINATIONS:



NEW COURSE PROPOSAL/MODIFICATION/ELIMINATION FORM	7
FOR GRADUATE COURSES	

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	A STATISTICS OF STATISTICS	AINE	NINATION FORM	150
NEW COUR	SE PROPOSAL/MOD FOR GRADU	DIFICATION/ELIN ATE COURSES	NNATION FORM	
GRADUATE PROGRAM/UI	NIT Scho	ool of Food and	Agriculture	
COURSE DESIGNATOR	FSN COURSE NUMBE	R 512 EFFECTIV	E SEMESTER Spring 2017	
	Hazard Anal	ysis Critical Co	ntrol Points	
•	te syllabus is required f earning component ¹ to	o an existing cours		
New Course with Electron	nic Learning'			
MODIFICATION (Check a Designator Change Number Change Title Change Description Change	all that apply and compl Prerequisite Change Credit Change Cross Listing (must be Addition of Electronic	Other (spe at least 400-level) ²	<u>a a a anticia</u>	Ă
ELIMINATION:				
Course Elimination ENDORSEMENTS (Print	name)	Date	Sign Initials	
Leader, Initiating Departm M. Susan Erich, Director,		2-2-2016	M59_	
College(s) Curriculum Con	nmittee Chair(s) (II spplicable)			
College Dean(s) Edward N. H.	25 hworth	2-2-14	ENQ	
Graduate School				
9 <u></u>	· · · · · · · · · · · · · · · · · · ·	, <u></u> .	2	

Current catalog description (include designator, number, title, prerequisites, credit hours):

F\$N 512 - Hazard Analysis Critical Control Points

in-depth study of the development of the Hazard Analysis Critical Control Points (HACCP) system and its application to the food processing industry. Understanding the role of HACCP in insuring a safe food supply at the local, national and international level is studied.

Prerequisites & Notes permission.

Gradits: 3

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Proposed catalog description (include designator, number, title, proreguisities, credit hours);

ISN 512 - Hazard Analysis Critical Control Points

in-depth study of the development of the Hazard Analysis Critical Control Points (HACCP) system and its application to the food processing industry. Understanding the role of HACCP in insuring a safe food supply withe local, national and international level is studied.

Prerequisites & Notes FSN 330

Credits: 3

2

Reason for course modification:

The prerequisite of "permission" dictated that the instructor had to be contacted before each student could enroll in the course. Changing to FSN 330 as a prerequiste allows most students to be enrolled in the course without contacting the instructor.

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SECTION 3 FOR COURSE EUIMINATIONS:

Reason for Elimination

Please return the completed form with appropriate signatures and documentation to the Graduate School. 5775 Stodder Hall, Room 42 Orono, Maine 04469-S775

Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf



FEB 0 9 2016



GRADUATE SCHOOL NEW COURSE PROPOSAL/MODIFICATION/ELIMINATION FORM FOR GRADUATE COURSES

	FOR GRADU	JATE COURSES		
GRADUATE PROGRAM/U	INIT Food	Science & Huma	n Nutrit	ion
COURSE DESIGNATOR	FSN COURSE NUMB	ER 530 EFFECTIVE SI	EMESTER	Spring 2016
COURSE TITLE	Compleme	entary Nutrition P	ractices	
REQUESTED ACTIO	ON:			
	ete syllabus is required		d for the a	ddition
	learning component ¹ t	_		
NEW COURSE (check all	that apply and complet	e Section 1):		
New Course				
New Course with Electro	nic Learning ¹			
Experimental				
MODIFICATION (Check		lete Section 2):		
Designator Change	X Prerequisite Change	Other (specify)	
Number Change X	Credit Change			
X Description Change	Cross Listing (must be			
[X] Description change	X Addition of Electronic	Learning Component ¹		
ELIMINATION:				
Course Elimination				
ENDORSEMENTS (Print	name)	Date	Sign Init	ials
Leader, Initiating Departr	nent/Unit(s)			
Susan Erich M. Sug	san Erich	Jan.11, 2016	m	SE
College(s) Curriculum Con	nmittee Chair(s) [If applicable]			
College Dean(s)				
	gecruen	1/19/16	XKC	
Graduate School	0			
Scott Delcourt				

	R NEW COURSE P		there is	
Proposed Catalog Desc	ription (include designato	, number, title, prerequisites, credi	t nours):	
		ords for MaineStreet) – <i>Multiple sel</i>	ections are possible for cou	rses with
nultiple non-graded cor	Dinical	Field Experience/Internship	Research	Studio
Laboratory	Lecture/Seminar	Recitation	Independent Study	Thesis
Fext(s) planned for use				
reads) planned for use				1
Course Instructor (inclu	de name, position, teachir	ng load):		
Reason for new course:				
oes the course addition	require additional depart	ment or institutional facilities, supp	oort and/or resources, e.g. ı	new lab facilities,
		graduate teaching assistants), or lib		
◯No. The department	will not request additiona	l resources for this course.		
⊖Yes. Please list addit	ional resources required a	nd note how they will be funded or	supported.	
What other department	ts/programs are affected (e.g. course overlap, prerequisites)?	Have affected department	s/programs
een consulted? Any co	oncerns expressed? Please	e explain.	nave anected department	sy programs
ow often will this prove	sa ba offered? Will offering	g this course result in overland rate	ary navments either through	the college
ow often will this cours r CED, either to the Ins	se be offered? Will offerir tructor of this course or to	g this course result in overload sala anyone else as a result of rearrang	ary payments, either throug ing teaching assignments?	th the college
ow often will this cours r CED, either to the ins	se be offered? Will offerir tructor of this course or to	g this course result in overload sala anyone else as a result of rearrang	ary payments, either throug ing teaching assignments?	the college
ow often will this cour: r CED, either to the ins	se be offered? Will offerir tructor of this course or to	g this course result in overload sala anyone else as a result of rearrang	ary payments, either throug ing teaching assignments?	sh the college
ow often will this cours r CED, either to the ins	se be offered? Will offerir tructor of this course or to	g this course result in overload sala anyone else as a result of rearrang	ary payments, either throug ing teaching assignments?	the college

Current catalog description (Include designator, number, title, prerequisites, credit hours):

FSN 530 - Complementary Nutrition Practices

Review of nutrition research study criteria and discussion of alternative practices such as traditional Chinese medicine, Ayurvedics, homeopathy, naturopathy and dietary supplements and their effects on nutritional status.

Prerequisites & Notes One human nutrition course at the 300-level or higher or permission.

Credits: 3

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

FSN 530 - Integrative and Functional Nutrition

Review of alternative practices such as traditional Chinese medicine, Ayurvedics, chiropractics, homeopathy, naturopathy, herbal medicine, and dietary supplements and how these practices can be integrated with conventional dietetic practice. Special needs of different life stages and disease conditions are addressed.

Prerequisites & Notes FSN 410 and NUR 303, or permission.

Credits: 3

Reason for course modification:

The course title and description are being changed to reflect practices within the Academy of Nutrition and Dietetics. Requiring FSN 410 Human Nutrition and Metabolism and NUR 303 Pathophysiology will help insure that students have an adequate understanding of how nutrients are absorbed, transported and utilized in the body in health and disease so that they are better prepared for class discussions. Lectures on Blackboard have been used in this course for many years to make up for instructor travel and winter weather hazards. Several students each year commute from southern ME where they have just finished their dietetic internships, so reducing the number of days they have to drive to Orono will be financially helpful. The majority of the course will be held in Orono.

SECTION 3 FOR COURSE ELIMINATIONS:

Reason for Elimination

Please return the completed form with appropriate signatures and documentation to the Graduate School. 5775 Stodder Hall, Room 42 Orono, Maine 04469-5775

Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf

FSN 530 Integrative and Functional Nutrition

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Tuesdays 4:00-6:30 p.m. Hitchner 157

Faculty Information:

Dr. Mary Ellen Camire Office: 105 Hitchner Hall. Phone: 581-1627; Fax: 581-1636 Email: <u>mary.camire@umit.maine.edu</u> (First Class) Office hours: Tuesdays 2:30-3:30, or by appointment

Course Objectives:

In this course you learn how to:

- find valid information on complementary nutrition practices
- critically evaluate safety & efficacy of complementary and alternative practices that impact nutritional status and health
- understand how different cultures use foods and botanicals for health & spiritual well-being
- identify and quantitate dietary supplement use
- know the Academy of Nutrition and Dietetics Standards of Practice (SOP) including the Nutrition Care Process (NCP) and Standards of Professional Performance (SOPP) in Integrative and Functional Medicine

Course Requirements:

- · an open mind and respect for other people's opinions and beliefs
- about 3 additional hours per week to read articles and books and conduct Internet research
- Internet access
- Adobe Acrobat Reader software. This software may be downloaded free by visiting http://www.adobe.com/products/acrobat/readstep.html>.
- Word processing software (Microsoft Word is preferred; if you do not have access to this program, please check with Dr. Camire to make sure she can read any program that you do have).

Accommodations for Students with Disabilities

If you have a disability for which you may be requesting an accommodation, please contact Disabilities Services, 121 East Annex, 581-2319, as early as possible in the term.

T = I

Academic Integrity

Academic honesty is very important. It is dishonest to cheat on exams, to copy term papers, to submit papers written by another person, to fake experimental results, or to copy or reword parts of books or articles into your own papers without appropriately citing the source. Students committing or aiding in any of these violations may be given failing grades for an assignment or for an entire course, at the discretion of the instructor. In addition to any academic action taken by an instructor, these violations are also subject to action under the University of Maine Student Conduct Code. The maximum possible sanction under the student conduct code is dismissal from the University.

Letter grade	Points
A	≥376
A-	360-375
B+	348-359
В	
В-	320-335
C+	308-319
С	296-307
C-	280-295
D+	268-279
D	256-267
D-	240-255
E	≤ 240

Grading policy (based on 400 points total):

Please note that typically only grades of B- and higher may be applied towards graduate studies.

What You Will Need to Do for This Course:

- Attend class regularly
- Do not text or email during class.
- Read assignments before class.
- Participate in class discussions and answer in-class questions.
- Interview someone you know about their supplement use, using the interview form on Blackboard (75 points). Due March 22 before the start of class. Written report and oral summary (~10 minutes long) required.

- Four in-class quizzes (20 points each) with fill-in and matching questions. Books, notes, best friends and other aids may not be used during quizzes.
 - Quiz 1: Material through 1/26
 - Quiz 2: Material from 2/2- 2/16
 - Quiz 3: Material from 2/23, 3/1, & 3/22
 - Quiz 4: Material from 3/29- 4/26
- Complete two short answer/ essay exams on Blackboard (100 points each). Exam 1 covers lectures from the start of the semester through 2/23 and is due 3/29. Exam 2 covers all other lectures and readings and is due May 10.
- In-class health claim group project 2/2 worth 15 points.
- Life cycle IFN issue in-class group project on 4/12, 15 points.
- Small group case studies on arthritis, athletic performance, GI or diabetes issues (no choice on which case study you will be assigned) on 4/26, 15 points.
- Late work will be subject to a 10% penalty. Work submitted later than one week from the due
 date will not receive a grade. In-class exercises other than quizzes cannot be made up if
 missed.

Sexual Discrimination Reporting

•The University of Maine is committed to making campus a safe place for students. Because of this commitment, if you tell a teacher about an experience of sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct or any form of gender discrimination involving members of the campus, your teacher is required to report this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity.

•If you want to talk in confidence to someone about an experience of sexual discrimination, please contact these resources:

•For confidential resources on campus: Counseling Center: 207-581-1392 or Cutler Health Center: at 207-581-4000.

•For confidential resources off campus: Rape Response Services: 1-800-310-0000 or Spruce Run: 1-800-863-9909.

•Other resources: The resources listed below can offer support but may have to report the incident to others who can help:

•For support services on campus: Office of Sexual Assault & Violence Prevention: 207-581-1406, Office of Community Standards: 207-581-1409, University of Maine Police: 207-581-4040 or 911. Or see the OSAVP website for a complete list of services at http://www.umaine.edu/osavp/

Class schedule (subject to change- please check your email regularly)

Date	Location	Торіс
1/19	HR 157	Course introduction; complementary & alternative medicine use in the U.S., legislation of complementary practices; integrative dietetic practice.
1/26	Blackboard	The dietary supplement industry, botanical products, and dietary supplement safety
2/2	HR 157	Cultural considerations; Shamanism, Native American practices; Santeriá; Quiz 1; Supplement and food claim group activity
2/9	Blackboard	Traditional Chinese, Kempo (Japanese) and Tibetan medicine
2/16	Blackboard	Ayurvedic medicine, homeopathy, naturopathy, chiropractic medicine
2/23	HR157	Drug and food interactions; surgical considerations; Quiz 2
3/1	Blackboard	Nutrient supplements, phytochemicals and functional foods
Spring	g break 3/7-3/2	20/2015
3/22	HR157	Dietary supplement interview presentations.
3/29	HR157	Popular diets & supplements for weight loss. <i>Exam 1 due on</i> <i>Blackboard, Quiz 3 in class</i>
4/5	Blackboard	IFM issues during pregnancy, lactation, infancy, childhood, adolescence, maturity and aging.
4/12	HR157	<i>Small group case studies on life cycle issues.</i> Guest lecture: Dr. Taylor Wallace, National Osteoporosis Foundation: Dietary supplements for bone health.
4/19	Blackboard	IFN for skeletal and muscular systems, athletic performance, and cardiovascular & respiratory health
4/26	HR157	IFN for gastrointestinal health and diabetes. Small group case studies on arthritis, athletic performance, GI or diabetes issues.
5/3	HR157	IFN for cancer, nervous system function and mental health. Quiz 4
5/10	Blackboard	Second exam due on Blackboard before 10 p.m. Eastern time

Instructions for in-class assignments will be placed on Blackboard at least 48 hours before class.

Course Schedule Disclaimer (Disruption Clause): In the event of an extended disruption of normal classroom activities, the format for this course may be modified to enable its completion within its programmed time frame. In that event, you will be provided an addendum to the syllabus that will supersede this version.



GRADUATE PROGRAM/U	NIT	Scho	ol of Forest Resources	· · · · · · · · · · · · · · · · · · ·
COURSE DESIGNATOR	SFR	COURSE NUMBER	528 EFFECTIVE SEMESTER	Fall 2016
COURSE TITLE	Qua	litative Data A	nalysis in Natural Reso	urces

REQUESTED ACTION:

NOTE: A complete syllabus is required for all <u>new</u> courses and for the addition of an <u>electronic learning component 1 </u> to an existing course.

NEW COURSE (check all that apply and complete Section 1):

X New Course

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New Course with Electronic Learning¹

Experimental

MODIFICATION (Check all that apply and complete Section 2):

Designator Change	💭 Prerequisite Change	Other (specify)	
🔲 Number Change	Credit Change		
Title Change	Cross Listing (must be at	least 400-level) ²	
Description Change	Addition of Electronic Le	arning Component ¹	

ELIMINATION;

Course Elimination

ENDORSEMENTS (Print name)	Date	Sign Initials
Leader, Initiating Department/Unit(s)	21 1/2/16	SM_S
College(s) Currentium Committee Chair(s) Magail(cetio) SFR Gradule Certific Certific Certific	1/20/0010	MAD
College Dean(s) Edward N. Ashworth	2/23/14	ENGelwork
Graduate School		

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	HD 571 or permission course/used by Student Re- omponents: Clinical Clinical Lecture/Seminar se: man, A. M., & Saldaña, J. SAGE Publications, Inc. son, K. (2013). Qualitative stone, A. Saldaña, J. Stone, A. M., & Saldaña, J. Store, A. M. & Saldaña, J.	HD 571 or permission. course/used by Student Records for MaineStreet) - Multiple selecomponents: Clinical Field Experience/Internship Lecture/Seminar Recitation se: rman, A. M., & Saldaña, J. (2014). Qualitative data analysis rSAGE Publications, Inc. ion, K. (2013). Qualitative data analysis with NVIvo. Thouse clude name, position, teaching load); Stone, Assistant Professor of Nature Based Tourism, 60% to ret urse is currently offered for students interested I analysis, nor to develop skills in using NVivo soft	HD 571 or permission. conirse/used by Student Records for MaineStreet) - Multiple selections are possible for couronpunents: iii Clinical Field Experience/Internship iiii Lecture/Seminar Recitation independent Study see trman, A. M., & Saldaña, J. (2014). Qualitative data analysis: A methods sourcebook: SAGE Publications, Inc. sion, K. (2013). Qualitative data analysis with NVIvo. Thousand Oaks, CA: SAGE Publications, Inc. sion, K. (2013). Qualitative data analysis with NVIvo. Thousand Oaks, CA: SAGE Publications, teaching loadi; Stone, Assistant Professor of Nature Based Tourism, 60% teaching. tet urse is currently offered for students interested in learning principle analysis, nor to develop skills in using NVivo software to analyze qu on require additional department or institutional facilities, support and/or resources, e.g. services, staffing (including graduate teaching assistants), or library subscriptions and resources for this course.

Current catalog description (include designator, number, title, prerequisites, credit hours):

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Reason for course modification:

SECTION 3 FOR COURSE ELIMINATIONS:

Reason for Elimination

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Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf

SFR 528 Qualitative Data Analysis in Natural Resources

1. Course information

<u>Course description</u>: Principles and practices of qualitative data analysis in natural resources. The course covers various interpretive analytical traditions in the social sciences, as well as strategies used in qualitative data analysis. Students will analyze previously collected qualitative data, and develop a written document that includes both narrative and visual displays. The course includes a hands-on NVivo training on coding data.

Number of credit hours: 3 credits

Prerequisites: Introductory qualitative research methods course preferable.

2. Faculty Information

<u>Name</u>: Sandra De Urloste-Stone <u>Phone number</u>: (207) 581-2885 <u>Fax number</u>: (207) 581-2875 <u>E-mall address</u>: sandra.de@maine.edu <u>Where students may leave physical messages</u>: 237 <u>Office hours</u>: M & F 11:00am - 1:00 pm

3. Instructional Materials and Methods

Required Textbook Titles

- Miles, M. B., Huberman, A. M., & Saldaña, J. (2014). *Qualitative data* analysis: A methods sourcebook (3rd. ed.). Thousand Oaks, CA: SAGE Publications, Inc.
- Bazeley, P., & Jackson, K. (2013). *Qualitative data analysis with NVivo*. Thousand Oaks, CA: SAGE Publications, Inc.

Recommended

Gibbs, G. R. (2007). Analyzing qualitative data. Thousand Oaks, CA: Sage Publications, Inc. (Ebook)

Additional readings are included as PDF files on blackboard.

- Barbour, R. S. (2014). Analysing focus groups. In U. Flick (Ed.), The SAGE handbook of qualitative data analysis (pp. 313-326). Thousand Oaks, CA: SAGE Publications Inc.
- Denzin, N. K. (2014). Wrlting and/as analysis of performing the world. In U. Flick (Ed.), *The SAGE handbook of qualitative data analysis* (pp. 570-584). Thousand Oaks, CA: SAGE Publications Inc.
- Denzin, N.K. & Lincoln, Y.S. (2013). Introduction: The discipline and practice of qualitative research. In N.K. Denzin & Y.S. Lincoln (Eds.), *The*

lanscape of qualitative research (pp. 1-40). Thousand Oaks, CA: SAGE Publications Inc.

- Lincoln, Y.S., S.A. Lynham & E.G. Guba. (2013). Paradigmatic controversies, contradictions, and emerging confluences, revisited. In N.K. Denzin & Y.S. Lincoln (Eds.), *The lanscape of qualitative research* (pp. 199-265). Thousand Oaks, CA: SAGE Publications Inc.
- Ely, M., Vinz, R., Downing, M., & Anzul, M. (1997). *On writing qualitative research: Living by words*. Philadelphia, PA: Routledge Falmer, Taylor & Francis.
- Kelle, U. (2014). Theorization from data. In U. Flick (Ed.), *The SAGE* handbook of qualitative data analysis (pp. 554-568). Thousand Oaks, CA: SAGE Publications Inc.

Mertens, D. M. (2014). Ethical use of qualitative data and findings. In U. Flick (Ed.), *The SAGE handbook of qualitative data analysis* (pp. 510-521). Thousand Oaks, CA: SAGE Publications Inc.

- Relchertz, J. (2014). Induction, deduction, abduction. In U. Flick (Ed.), *The* SAGE handbook of qualitative data analysis (pp. 123-135). Thousand Oaks, CA: SAGE Publications Inc.
- Roulston, K. (2014). Analysing Interviews. In U. Flick (Ed.), *The SAGE* handbook of qualitative data analysis (pp. 297-312). Thousand Oaks, CA: SAGE Publications Inc.

4. Student Learning Outcomes

Course Learning Outcomes

By successfully completing this course, each student will be able to:

- 1. Explain the Influence of macro-structures associated with science (worldview, paradigms, disciplines) on the qualitative research process.
- 2. Recognize different traditions in qualitative data analysis.
- Apply basic and intermediate qualitative data analysis functions in NVIvo.
- 4. Demonstrate an understanding of the ethical use of qualitative data and reporting.
- 5. Be able to write and know the function of qualitative data analysis strategies, tools, and Interpretation.
- 6. Be able to summarize and report qualitative data.

5. Assessment and Evaluation

Explanation of assignments

Assignments: all written assignments should be professionally presented according to instructions listed below. All assignments are due at the beginning of class.

- 1) <u>Reflective journal:</u> you will write a weekly reflective journal, and submit at the end of the month a summative reflective journal (detailed instructions will be provided).
- <u>Oualitative data analysis tradition report and presentation</u>: you will research a tradition of qualitative data analysis, and develop the following outputs 1) submit a five-page report, and 2) deliver an oral presentation (detailed instructions will be provided).
- 3) Qualitative data analysis manuscript (methods, ethics and data interpretation sections): based on your analysis using NVivo, you will draft sections of a manuscript describing how you conducted data analysis, the data analysis tradition used, ethics, and data interpretation (detailed instructions will be provided).

Assessment			
ACTIVITY	PERCENTAGE		
Participation and short assignments	15%		
Reflective journal	30%		
Qualitative data analysis tradition	20%		
Qualitative data analysis draft manuscript	35%		

A:	94-100%	B-;	80-82%	D+:	67-69%
A-:	90-93%	C+:	77-79%	D;	64-66%
B-ŀ-:	87-89%	C:	74-76%	D-:	60-63%
B:	84-86%	C-:	70-73%	F	<60%

6. Course Organization and Policles

Classroom sessions will include some traditional mini-lectures interspersed with group discussions to go over readings and classroom

projects. Brainstorming, demonstration, reflective and essay writing, presentations and other interactive methods will be use to exchange ideas and information. This interactive style of teaching makes it imperative that students attend **all** classes. Attendance is also a requirement because much of the work and most of your knowledge (and your grade) will derive directly from our classroom encounters.

a. Class Etiquette

This is a graduate class, and by tradition as well as definition, students are expected to take the initiative for learning.

• Class attendance is required, if you must miss for reasons beyond your control please send me an email prior to class.

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- Participation in class exercises and discussions is required. Therefore, you need to come to class prepared.
- I will be available to meet with any of you to go over lectures, readings, or to help out on projects.
- Reading, and re-reading the required texts and handouts is critical to your success in this course.
- Being supportive of other people in class ("criticize ideas not people").
- Being respectful to your classmates (not reading materials from other courses, chatting, texting, sending emails, etc.).
- a. <u>Assignments</u> are expected to be professionally presented according to the following guidelines:
 - Type all papers, following the content and length requirements for that assignment.
 - Double space all papers unless the assignment instructions specifically state otherwise.
 - Indent each paragraph.
 - Use one-inch margins.
 - Use 12-point font.
 - The first page should include your name, the date, name of the assignments, and the course.
 - Spell-check and proofread your papers. Spelling and grammar, as well as content will be considered in assigning grades. Any paper containing a spelling error that would be caught by the spell-check function of MSWord will receive a one-letter grade deduction.
 - Multiple page assignments must be stapled, double-sided (preferable).
 - Include in-text citations, and literature cited.
- b. Academic honesty. "Academic honesty is very important. It is dishonest to cheat on exams, to copy term papers, to submit papers written by another person, to fake experimental results, or to copy or reword parts of books or articles into your own papers without appropriately citing the source. Students committing or alding in any of these violations may be given failing grades for an assignment or for an entire course, at the discretion of the instructor. In addition to any academic action taken by an instructor, these violations are also subject to action under the University of Maine Student Conduct Code. The maximum possible sanction under the student conduct code is dismissal from the University."
- c. <u>Disability support services</u>: "If you have a disability for which you may be requesting an accommodation, please contact Disability Services, 121 East Annex, 581-2319, as early as possible in the term."

d. <u>Course Schedule Disclaimer (Disruption Clause)</u>: In the event of an extended disruption of normal classroom activities, the format for this course may be modified to enable its completion within its programmed time frame. In that event, you will be provided an addendum to the syllabus that will supersede this version.

7. Sexual Discrimination Reporting.

The University of Malne Is committed to making campus a safe place for students. Because of this commitment, If you tell a teacher or teaching assistant about an experience of **sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct or any form of gender discrimination** involving members of the campus, **your teacher or teaching assistant is required to report** this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity.

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Week	Introduction to the course	Denzin & Lincoln, 2013	
		Miles, Huberman &	
	Qualitative research	Saldaña, 2014. Ch. 1	
Week	Foundations of	Lincoln, Lynham &	
2	qualitative research: Paradigms	Guba, 2013	
	Researcher-as- instrument	Ely et al., 1997. Ch. 2	
Week	Introduction to	Miles, Huberman &	Due: One-two
3	qualitative data analysis and NVIvo	Saldaña, 2014. Ch. 2	page researcher-as-
		Miles, Huberman &	Instrument
		Saldaña, 2014. Ch. 4	write-up
	NVivo practice	Bazeley and Jackson,	
		2013. Ch. 1	
Week 4	Induction, deduction and theorizing	Reichertz, 2014.	Due: Reflective
	market in the second		journal 1
	Ethics and quality assurance	Mertens, 2014.	
		Bazeley and Jackson,	
	NVivo practice	2013. Ch. 2 & 3	
Week 5	Analyzing interview and focus group data	Roulston, 2014.	
	J P	Barbour, 2014.	
	NVIvo practice		
		Bazeley and Jackson, 2013. Ch. 4	
Week	Ethnographic research	Article provided by	Due: NVIvo
6	and data analysis	speaker	exercise
		Bazeley and Jackson, 2013. Ch. 5 & 6	
Week	Student presentations—	Articles provided by	Due:
7&8	qualitative traditions	students	Qualitative data analysis traditions
W350/			paper and PPT
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Week	Qualitative formative	Miles, Huberman &	Due:
9	analysis: displaying data	Saldaña, 2014.	Comparative
	and exploring patterns	Ch. 5 & 6	table of
			traditions
	NVivo practice	Bazeley and Jackson,	
		2013, Ch. 7	Due: NVivo
1			exercise
Week	Qualitative formative	Milos Hubannan 9	-
10	-	Miles, Huberman &	Due:
	analysis: describing and	Saldaña, 2014.	Reflective
	ordering methods	Ch. 7 & 8	journal 2
	NVivo practice	Bazeley and Jackson,	Due: NVivo
		2013. Ch. 8	exercise
Week	Qualitative formative	Miles, Huberman &	Due: NVivo
11	analysis: explaining and	Saldaña, 2014.	exercise
	predicting methods	Ch. 9 & 10	
	F		
	NVivo practice	Bazeley and Jackson,	
		2013. Ch. 10	
Week	Theorizing and drawing		
12	conclusions	Miles, Huberman &	Due:
12	conclusions	Saldaña, 2014. Ch. 11	Manuscript—
			methods
		Kelle. 2014.	section
	NVivo practice		
		Bazeley and Jackson,	
		2013. Ch. 11	
Week	NO CLASS:	THANKSGIVING BREA	K!
13		- 2023 - 14	22
Week	Writing	Miles, Huberman &	Due:
14	-	Saldaña, 2014. Ch. 12	Reflective
			journal 3
	NVIvo practice	Denzin, 2014	
		Bazalay and lackson	
		Bazeley and Jackson,	
		2013. Ch. 9	
Week	Data analysis and	Miles Hub survey 2	
	Data analysis and	Miles, Huberman &	Due:
15	collaboration	Saldaña, 2014. Ch. 13	Manuscript—
C) -			methods,
		Bazeley and Jackson,	ethics,
	Closing and conclusions	2013. Ch. 12	Interpretation,
			appendix
		l remne and a	



FEB 1 9 2016



GRADUATE SCHOOL NEW COURSE PROPOSAL/MODIFICATION/ELIMINATION FORM FOR GRADUATE COURSES

COURSE TITLE Cellulose Nanomaterials and their Composites REQUESTED ACTION: NOTE: A complete syllabus is required for all new courses and for the addition of an electronic learning component ¹ to an existing course. NEW COURSE (check all that apply and complete Section 1): \boxtimes New Course New Course with Electronic Learning ¹ \square New Course with Electronic Learning ¹ Experimental MODIFICATION (Check all that apply and complete Section 2): Obsignator Change \square Number Change \square Other (specify) \square Number Change \square Credit Change \square Title Change \square Other (specify) \square Number Change \square Credit Change \square Title Change \square Credit Change \square Title Change \square Credit Change \square Title Change \square Cross Listing (must be at least 400-level) ² \square Description Change \square Addition of Electronic Learning Component ¹ ELIMINATION: \square Course Elimination ENDORSEMENTS (Print name) Date Sign Initials Leader, Initiating Dagrammeterity) (Unit(s) \square fiele '/G \square Michael Dag \square Michael Dag $2/s$ $2/s$ \square Michael Dag	GRADUATE PROGRAM/U	NIT	Forest Res	ources	
REQUESTED ACTION: NOTE: A complete syllabus is required for all new courses and for the addition of an electronic learning component ¹ to an existing course. NEW COURSE (check all that apply and complete Section 1): New Course Other Section 2): Designator Change Credit Change Other (specify) Number Change Credit Change Other (specify) Number Change Credit Change Other (specify) Number Change Credit Change Description Change Course Elimination	COURSE DESIGNATOR	SFR COURSE NUM	BER 570 EFFECTI	VE SEMESTER	Fall 2016
NOTE: A complete syllabus is required for all new courses and for the addition of an electronic learning component ¹ to an existing course. NEW COURSE (check all that apply and complete Section 1): New Course with Electronic Learning ¹ Experimental MODIFICATION (Check all that apply and complete Section 2): Designator Change Prerequisite Change Title Change Credit Change Title Change Cross Listing (must be at least 400-level) ² Description Change Addition of Electronic Learning Component ¹ ELIMINATION: Course Elimination ENDORSEMENTS (Print name) Date Sign Initials Eader, Initialize Change MM drued Day 2/8/16 MM drued Day 2/8/16 Mit drued Day 2/19/20 Mit druge Day 2/19/20		Cellulose Nand	omaterials and t	their Comp	osites
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If a course involves significant electronic access for the primary delivery of its content (more than 50%), the course proposal should spacify faculty training/experience in use of technology and how the electronic delivery will be managed. Please consult with the Office of Distance Education for more Information.
 Courses cross-listed below 400-level require the permission of the Graduate School.

SECTION 1 (FOR NEW COURSE PROPOSALS):

Proposed Catalog Description (include designator, number, title, prerequisites, credit hours):

SFR-570: Cellulose Nanomaterials and their Composites

Comprehensive coverage of the production, characteristics, processing, applications and performance of renewable nanomaterials and their composites. This graduate level course will provide fundamental information on various types of cellulose nanomaterials as well as their performance in target applications. Students may be required to conduct individual/team experiments, visit production sites and hold informal meetings as scheduled along the course of the semester outside the original time frame.

Prerequisites & Notes Recommendation of the student's advisory committee or permission of the instructor

Credits: 3

Components (type of course/used by Student Records for MaineStreet) - Multiple selections are possible for courses with multiple non-graded components:

Applied Music

X Lecture/Seminar

Clinical

Field Experience/Internship Recitation

Research

Independent Study

Studio

Thesis

Text(s) planned for use:

X Laboratory

1. Dufresne, Alain, 2012. Nanocellulose: From Nature to High Performance Tailored Materials. Walter de Gruyter GmbH. 460 pp.

2. Various research articles published in scientific journals: Some top journals in the field include: Cellulose, Biomacromolecules, ACS Applied Materials and Interfaces, RSC Advances and Macromolecules.

Course Instructor (include name, position, teaching load):

Dr. Mehdi Tajvidi, Assistant Professor of Renewable Nanomaterials (25% teaching apppointment, currently teaching SFR-215 (3 credits) once a year and SFR-453 (50% responsibility) every other year.

Reason for new course

Cellulose nanomaterials have attracted considerable attention in academia and industry as well. No other course on campus fully covers various aspects of production, characterization, properties, applications and markets of cellulose nanomaterials. Being of multidisciplinary nature, students from other majors including Chemical Engineering, Civil Engineering and Food Science will benefit from the contents of this course. The University of Maine is the sole academic producer of cellulose nanofibrils and there is a need for a graduate level course to train our graduate students in this area.

Does the course addition require additional department or institutional facilities, support and/or resources, e.g. new lab facilities, computer support and services, staffing (including graduate teaching assistants), or library subscriptions and resources?

• No. The department will not request additional resources for this course.

() Yes. Please list additional resources required and note how they will be funded or supported.

What other departments/programs are affected (e.g. course overlap, prerequisites)? Have affected departments/programs been consulted? Any concerns expressed? Please explain.

There is no significant overlap. Being of multidisciplinary nature, students from other majors including Chemical Engineering, Civil Engineering and Food Science will benefit from the contents of this course.

How often will this course be offered? Will offering this course result in overload salary payments, either through the college or CED, either to the instructor of this course or to anyone else as a result of rearranging teaching assignments?

Every other year or once a year depending on the demand. No overload salary is requested.

SECTION 2 (FOR COURSE MODIFICATIONS):

Current catalog description (include designator, number, title, prerequisites, credit hours):

Proposed catalog description (include designator, number, title, prerequisites, credit hours):

Reason for course modification:

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SECTION 3 FOR COURSE ELIMINATIONS:

Reason for Elimination

Please return the completed form with appropriate signatures and documentation to the Graduate School. 5775 Stodder Hall, Room 42 Orono, Maine 04469-5775

Course Proposal Guidelines available at http://umaine.edu/graduate/system/files/files/CourseGuidelines.pdf

Course Information

Comprehensive coverage of the production, characteristics, processing, applications and performance of renewable nanomaterials and their composites. This graduate level course will provide fundamental information on various types of cellulose nanomaterials as well as their performance in target applications. Students may be required to conduct individual/team experiments, visit production sites and hold informal meetings as scheduled along the course of the semester outside the original time frame.

Prerequisites & Notes

Recommendation of the student's advising committee or permission of the instructor

Credits: 3

Faculty Information

Dr. Mehdi Tajvidi, Phone: 207-581-2852

Messages can be left on my phone or at my e-mail address: <u>mehdi.tajvidi@maine.edu</u> Office Hours are Tuesdays and Thursdays from 1:00 PM-2:00 PM in Room 117, Nutting Hall. For other times, please make an appointment.

Instructional Materials and Methods

Electronic course information will be shared and documented through the use of Google Classroom connected to the students' UMaine Google Drive. All students will receive an invitation email to join the class portal on Google Classroom through which all homework, assignments and activities will be managed, graded, edited and monitored.

Required text

1. Dufresne, Alain, 2012. Nanocellulose: From Nature to High Performance Tailored Materials. Walter de Gruyter GmbH. 460 pp.

This book is available online through the University of Maine Library System at: http://ursus.maine.edu/search~S1?/Xnanocellulose&searchscope=1&SORT=D/Xnanocellulose&sear chscope=1&SORT=D&SUBKEY=nanocellulose/1%2C3%2C3%2CB/frameset&FF=Xnanocellulose&sear chscope=1&SORT=D&2%2C2%2C

2. Various research articles published in scientific journals: Some top journals in the field include: *Cellulose, Biomacromolecules, ACS Applied Materials and Interfaces, RSC Advances and Macromolecules.* Due to the interdisciplinary nature of the field, many other material science/polymer/composites journals published by Springer, Elsevier, Wiley and TAPPI publish nanocellulose research.

Learning Outcomes

At the conclusion of the course, a student will be able to:

- Describe fundamental processes for the production of cellulose nanofibrils, cellulose nanocrystals and bacterial cellulose
- Compare and analyze various cellulose nanomaterials from physical, chemical, and mechanical perspectives
- Explain advantages, limitations and potential future applications of cellulose nanomaterials
- Explain material property assessment techniques related to nanocellulose research
- Do top quality literature review on a research topic related to nanocellulose and its composites
- Analyze, edit, review and criticize scientific papers published in journals

Assessment and Evaluation

Homework Assignments:	20%
Examination 1:	20%
Examination 2:	20%
Final Examination:	20%
Literature review and presentation:	20%

Grading rubrics

>95%	А
90%-94%	A-
86%-89%	B+
82%-85%	В
78%-81%	В-
74%-77%	C+
70%-73%	С
67%-69%	C-
60%-66%	D
<60%	F

Course Policies

- Attendance and class participation are expected of all students at all times unless special circumstances warrant otherwise.
- The due date for homework assignments will be clearly provided in all cases. Homework will be due by 9:30 AM (beginning of class) on the due date.
- The assignment grade drops 5% for each day late. No credit will be given for work turned in after corrected material is returned to the class.
- Each student will be assigned to a topic for which they are required to do a literature review based on five most recent papers published in top journals. The written document must be submitted no later than the last meeting of the class. In addition, each student will select one paper out of the five

they have reviewed and will present that in detail to the class. A copy of the paper to be presented in class must be sent to the instructor to be shared with the class at least one week before the presentation. All students are expected to have a print-out of the paper being presented and to actively engage in critical discussions following the presentation. Topics presented by students will be included in the final exam.

• Group work is encouraged, but copying is unacceptable.

• The rescheduling of exams due to an absence will require written documentation from the student and prior permission from the instructor.

Academic Dishonesty (plagiarism, etc.)

Academic honesty is very important. It is dishonest to cheat on exams, to copy term papers, to submit papers written by another person, to fake experimental results, or to copy or reword parts of books or articles into your own papers without appropriately citing the source. Students committing or aiding in any of these violations may be given failing grades for an assignment or for an entire course, at the discretion of the instructor. In addition to any academic action taken by an instructor, these violations are also subject to action under the University of Maine Student Conduct Code. The maximum possible sanction under the student conduct code is dismissal from the University.

Students with Disabilities Statement

If you have a disability for which you may be requesting an accommodation, please contact Disabilities Services, 121 East Annex, 581-2319, as early as possible in the term.

Course schedule disclaimer

In the event of an extended disruption of normal classroom activities, the format for this course may be modified to enable its completion within its programmed time frame. In that event, you will be provided an addendum to the syllabus that will supersede this version.

Sexual violence policy

Sexual discrimination reporting: The University of Maine is committed to making campus a safe place for students. Because of this commitment, if you tell any of your teachers about sexual discrimination involving members of the campus, **your teacher is required to report** this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity.

Behaviors that can be "sexual discrimination" include sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct, and gender discrimination. Therefore, all of these behaviors must be reported.

Why do teachers have to report sexual discrimination?

The university can better support students in trouble if we know about what is happening. Reporting also helps us to identify patterns that might arise– for example, if more than one victim reports having been assaulted or harassed by the same individual.

Last Modification: 2/10/16

What will happen to a student if a teacher reports?

An employee from the Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity will reach out to you and offer support, resources, and information. You will be invited to meet with the employee to discuss the situation and the various options available to you.

If you have requested confidentiality, the University will weigh your request that no action be taken against the institution's obligation to provide a safe, nondiscriminatory environment for all students. If the University determines that it can maintain confidentiality, you must understand that the institution's ability to meaningfully investigate the incident and pursue disciplinary action, if warranted, may be limited. There are times when the University may not be able to honor a request for confidentiality because doing so would pose a risk to its ability to provide a safe, nondiscriminatory environment for everyone. If the University determines that it cannot maintain confidentiality, the University will advise you, prior to starting an investigation and, to the extent possible, will share information only with those responsible for handling the institution's response.

The University is committed to the well-being of all students and will take steps to protect all involved from retaliation or harm.

If you want to talk in confidence to someone about an experience of sexual discrimination, please contact these resources:

For *confidential resources on campus*: **Counseling Center: 207-581-1392** or **Cutler Health Center: at 207-581-4000**.

For *confidential resources off campus*: **Rape Response Services**: 1-800-310-0000 or **Spruce Run**: 1-800-863-9909.

Other resources: The resources listed below can offer support but may have to report the incident to others who can help:

For *support services on campus*: Office of Sexual Assault & Violence Prevention: 207-581-1406, Office of Community Standards: 207-581-1409, University of Maine Police: 207-581-4040 or 911. Or see the OSAVP website for a complete list of services at http://www.umaine.edu/osavp/

Dates	Topics	Reading/Assignments
Week 1	Lecture #1- Introduction to cellulose and its nanomaterials	Reading: Dufresne, Ch. 1
	Lecture #2 - Cellulose nanomaterial applications	Homework #1
Week 2	Lecture #3 - What's new? Materials	
	Lecture #4 - What's new? Applications	Homework #2
Week 3	Lecture #5 - Preparation and properties of microfibrillated cellulose Part I	Reading: Dufresne, Ch. 2
	Lecture #6 - Preparation and properties of microfibrillated cellulose Part II	Reading: Dufresne, Ch. 2 Homework #3
Week 4	Lecture #7 - Preparation and properties of cellulose nanocrystals Part I	Reading: Dufresne, Ch. 3
	Lecture #8 – Preparation and properties of cellulose nanocrystals Part II	Reading: Dufresne, Ch. 3 Homework #4
	Lecture #9 – Bacterial cellulose	Reading: Dufresne, Ch. 4
Week 5	Examination 1 (Covers Lectures # 1-9)	Homework #5
Week 6	Lecture #10 - Chemical modification of Nanocellulose	Reading: Dufresne, Ch. 5
	Lecture #11 – Drying Nanocellulose	Reading: Dufresne, Ch. 5 Homework #6
Week 7	No classes- Fall Break	
WCCA /	Lecture #12 - Rheological behavior of nanocellulose suspensions and self-assembly	Reading: Dufresne, Ch. 6 Homework #7

Course Organization

Dates	Topics	Reading/Assignments
	Lecture #13 - Processing of nanocellulose-based materials Part I	Reading: Dufresne, Ch. 7
Week 8	Lecture # 14- Processing of nanocellulose-based materials Part II	Reading: Dufresne, Ch. 7
		Homework #8
Week 9	Lecture #15- Thermal properties Part I	Reading: Dufresne, Ch. 8
WOOM D	Lecture #16 – Thermal properties Part II	Reading: Dufresne, Ch. 8 Homework # 9
Week 10	Lecture #17-Mechanical properties of nanocellulose-based nanocomposites Part I	Reading: Dufresne, Ch. 9
	Examination #2 (Covers Lectures #10-17)	Homework # 10
	Lecture #18 - Mechanical properties of nanocellulose-based nanocomposites Part II	Reading: Dufresne, Ch. 9
Week 11	Lecture #19 - Swelling and barrier properties	Reading: Dufresne, Ch. 10
Week 12	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
Week 13	No classes- Thanksgiving Break	
	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
Week 14	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
Week 15	Student presentations	A copy of the paper to be presented must be sent to all students and the instructor one week prior to presentation
	Review	Literature Review Due
	Final Examination (Covers Lectures #18-19 plus material covered during student presentations)	

MBA Course Prerequisite Changes

BUA 561 - Knowledge Management and Decision Support Systems

This course is designed to explore the dimensions of knowledge management that influence the competitive advantage of organizations. Major topics include the ability to harness intellectual capital for innovation, knowledge creation, sharing, storage and accessibility. Appropriate technologies will be used to apply these concepts.

Prerequisites & Notes

Old: BUA 235 or equivalent, BUA 325 or equivalent, senior or graduate standing and permission of the University of Maine Business School.

New: Seniors or graduate students in good standing.

Credits: 3

BUA 596 - International Field Study

Provides an opportunity to learn about foreign culture, to visit with foreign government and business officials, and to learn about business practices worldwide via a hands-on immersion experience. Course includes preparatory class work and a final report.

Prerequisites & Notes

Old: permission, only open to graduate students or advanced undergraduates in the University of Maine Business School.

Credits: 3-4

New: Permission of the University of Maine Business School Office of Graduate Programs.

Credits: 3

BUA 601 - Statistical Analysis and Modeling for Organizational Operations

Familiarizes the student with statistical data analysis and management science techniques as they support decision-making throughout an organization. The course integrates statistical analysis and modeling techniques into the study of processes that create value through the production of goods, services, and information.

Prerequisites & Notes

Old: Must have graduate standing.

Credits: 3

New: STS 215 or STS 232 or equivalent or previous statistics course approved by the MBA Director; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

BUA 605 - Creating & Capturing Value in the Digital Economy

Represents an integration of concepts and principles from the Marketing and Management Information Science disciplines. The Internet is offering radical new ways of conducting business. This course presents students with concepts and information-based strategies for capturing and creating value in the new information-based economy by assimilating sound marketing strategies with information systems to create innovative processes and marketing practices.

Prerequisites & Notes

Old: Must have graduate standing.

Credits: 3

New: BUA 270 or equivalent or Business School Graduate Marketing Tutorial; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

BUA 608 - Topics in Accounting

Course coverage varies. Recent courses have included readings in accounting history and theory, accounting research using the FASB's Codification to answer complex accounting issues presented in case studies and discussions of contemporary national and international accounting issues.

Prerequisites & Notes

Old: BUA 301, BUA 302 or permission.

Credits: 3

New: BUA 301 and BUA 302 or equivalents. Must be in a graduate degree or certificate program.

Credits: 3

BUA 620 - Law, Business and Society

Introduces managers to current U.S. laws and regulations that impact on the operations of business. Employs an interdisciplinary approach to the study of law, utilizing elements of political economy, international business, ethics, social responsibility and management theory.

Prerequisites & Notes

Old: MBA or MSA student or permission of the university of Maine Business School; must have graduate standing.

Credits: 3

New: MBA student or permission of the University of Maine Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

BUA 626 - Management of Contemporary Organizations

Explores analytical perspectives to understand how individuals organize themselves in accomplishing organizational goals. Applies a managerial approach with a focus on real-life contemporary organizations. Topics include organizational structure and culture, teamwork and diversity, the organization and its environment.

Prerequisites & Notes

Old: MAT 215 and BUA 325 or equivalents or Business School Graduate Tutorials in Management and Statistics; must have graduate standing.

Credits: 3

New: BUA 325 or equivalent or Business School Graduate Management Tutorial; MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

BUA 639 - Contemporary Issues in International Business

Discussion of international business policies, strategies, and operations with emphasis on the interplay between business and different cultural, economic, and political-legal environments.

Prerequisites & Notes

Old: BUA 325 or equivalent or Business School Graduate Management Tutorial; must have graduate standing.

Credits: 3

New: BUA 325 or equivalent or Business School Graduate Management Tutorial. Must be in a graduate degree or certificate program.

Credits: 3

BUA 641 - Organizational Consulting

A field based course, providing consulting services to firms based in Maine and beyond. Demands skills in qualitative and quantitative analysis and in written and oral expression.

Prerequisites & Notes

Old: Permission of the instructor.

Credits: 3-4

New: Permission of the instructor. Must be in a graduate degree or certificate program.

Credits: 3

BUA 645 - Selected Advanced Topics in Business Administration

Advanced study in various aspects of functional areas of accounting, finance, management, marketing, and management information systems.

Prerequisites & Notes

Old: permission.

Credits: 1-6

New: MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 1-3

BUA 649 - Management Policy

Study of administrative practices at the strategic level of business management. Develops administrative competence in the formulation of business policy at the decision-making level through case study.

Prerequisites & Notes

Old: BUA 605, BUA 651 and one additional 600-level BUA course; must have graduate standing.

Credits: 3

New: BUA 605, BUA 651 and one additional 600-level BUA course; MBA students only.

Credits: 3

BUA 652 - Management of Financial Institutions

Approaches management of financial institutions through readings, cases and guest speakers. Emphasizes recognition, analysis and management of major risks faced by financial intermediaries in a global environment.

Prerequisites & Notes

Old: BUA 350 or equivalent or Business School Graduate Finance Tutorial; must have graduate standing.

Credits: 3

New: BUA 350 or equivalent or Business School Graduate Finance Tutorial; must be in a graduate degree or certificate program.

Credits: 3

BUA 653 - Investment Management

Analysis and valuation procedures to determine the investment quality of specific securities. Sets criteria for formulation of a sound investment policy and selection of investment media to implement it. Develops techniques of portfolio management and periodic reappraisal.

Prerequisites & Notes

Old: BUA 350 or equivalent or Business School Graduate Finance Tutorial; must have graduate standing.

Credits: 3

New: BUA 350 or equivalent or Business School Graduate Finance Tutorial; must be in a graduate degree or certificate program.

Credits: 3

BUA 668 - Electronic Commerce

Prepares current and future managers to gain an understanding of how e-commerce and technologies have radically altered the business environment and how to succeed and thrive in this new economy.

Prerequisites & Notes

Old: BUA 605; or BUA 335 and BUA 370 or equivalents and permission of the University of Maine Business School; must have graduate standing.

Credits: 3

New: BUA 605, or BUA 235 and BUA 270 or equivalents (Business School Graduate Marketing Tutorial may substitute for BUA 270); MBA student or permission from Business School Office of Graduate Programs. Must be in a graduate degree or certificate program.

Credits: 3

BUA 695 - MBA Internship

Field experience in business relevant to the student's educational development and career goals. (Neither past work experience or field experience courses taken at other campuses or universities will be permitted as substitutes.) Only open to MBA students.

Prerequisites & Notes

Old: Permission of Business School Graduate Director.

Credits: 1-4

New: Permission of Business School Graduate Director; open to MBA students.

Credits: 1-3. Course may be repeated, but student may not earn more than 3 internship credits.

BUA 697 - Field Experience in Accounting

Field experience in accounting relevant to the student's educational development and career goals. Neither past work experience nor field experience courses taken at other campuses or universities will be permitted as substitutes.

Prerequisites & Notes

Old: permission; only open to students in the Master of Science in Accounting program.

Credits: 1-3

New: Permission of Business School Office of Graduate Programs; only open to students in the Accounting MBA.

Credits: 1-3. Course may be repeated, but student may not earn more than 3 internship credits.

BUA 698 - Independent Study

Provides an opportunity for well-qualified students to pursue a selected topic in great depth under the supervision of an individual faculty member. The topic is to be determined in consultation with the faculty instructor.

Prerequisites & Notes

Old: permission of the instructor and the MBA Director.

Credits: 1-4

New: Permission of Business School Graduate Director. Independent study must be approved by the Business School Graduate Curriculum and Learning Committee.

Credits: 3