**FORM A**
College of Business

Revised 05/08/2009

**PROPOSAL SUMMARY AND ROUTING FORM**

Proposal Title: ISM Curriculum Revision

Initiating Unit or Individual: Information Systems Management
Contact Person's Name: Greg Gogolin  e-mail: ismgreg@yahoo.com  phone: 3159
Date or Term of Proposal Implementation: Fall 2011

- Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV – Off-Campus Programs

<table>
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<tr>
<th>Group/Individual</th>
<th>Signature</th>
<th>Date</th>
<th>Vote/Action *</th>
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* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

<table>
<thead>
<tr>
<th>President (Date Approved)</th>
<th>Board of Trustees (Date Approved)</th>
<th>President's Council (Date Approved)</th>
</tr>
</thead>
</table>

VPAA
FEB 1 2011
PROVOST
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<td>MISM 670 Network Management and Design-MODIFIED</td>
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<tr>
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1. Proposal Summary

This proposal is to redirect the ISM program to reflect changes in the industry. Three main areas of focus have been identified by conducting literature reviews, interviews with professionals, and input from the program advisory board: Business Intelligence, Project Management, and Security.

The ISM program has had each of these areas in the program for a number of years, but they have not been emphasized and integrated across multiple courses in the curriculum. The Project Management concentration was developed in 2010 and is now present in a 4 course online sequence. Project Management Institute Global Accreditation Center is being sought for the ISM program to validate the curriculum and provide enhanced marketing capabilities.

The Security offerings will be enhanced in two ways. The existing Security and Networking concentration will include combining two networking classes into one class, keeping the Information Security/Assurance and Penetration Testing courses, and adding the option of a technical elective or MISM 680 Special Topics. This will allow the curriculum to adapt to fast changing developments in security by utilizing the MISM 680 course which is designed with flexibility to teach Emerging Topics. This concentration will be focused on keeping systems safe from intrusions and security breaches. The ISM program has been submitted for designation as a National Security Agency Center of Excellence by being one of only 6 programs in the country to map to all 6 security criteria.

MISM 691 MS-ISM Internship will be created as an option outside of the core and certificates. Advisory Board and employer input, literature, as well as the survey results of current students and alumni found during the MBA Academic Program Review, indicate that work experience is vital to the employability of graduates. As a result, MISM 691 has been created to offer students with little or no work experience the opportunity to obtain relevant work experience. The internship will utilize and rely upon the College of Business Internship Student Manual and process similar to the MBA internship option.

MMBA 601 will be removed from the program as the desired communication and writing skills are in the form of web 2.0 and similar technologies, which can be gained from the proposed MISM 638 Social Media and Business Communications and existing MISM 665, as well as technical and business report writing which is addressed in MISM 610, 629, 662, 670, 740 and 799.

MISM 659 Application Development will be deleted as one course does not provide a substantial enough experience to prepare students for careers in this area. Perhaps down the road it will be reactivated with an emphasis in Secure Software.

The Advanced Study Certificate in E-Business and Systems Integration will be deleted as enrollment has not made it a viable option.

MISM 671 will be deleted, as the necessary program outcomes will be merged into MISM 670.

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:
   Prefix  Number  Title
   MISM 638  Social Media and Global Business Communications
   MISM 691  MS-ISM Internship

b. Courses to be Deleted From FSU Catalog:
   Prefix  Number  Title
   MISM 671  Advanced Network Management
   MISM 659  Application Development

c. Existing Course(s) to be Modified:
   Prefix  Number  Title
   MISM 670  Network Management and Design

d. Addition of existing FSU courses to program
   Prefix  Number  Title
   MISM 680  Special Topics in ISM
e. Removal of existing FSU courses from program
Prefix       Number       Title
MMBA          601

3. Summary of All Consultations

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<tr>
<th>Form Sent (B or C)</th>
<th>Date Sent</th>
<th>Responding Dept.</th>
<th>Date Received &amp; by Whom</th>
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<td>Form B</td>
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<td>Management Department</td>
<td>emailed to Karen Ottobre</td>
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<td>Master in Nursing Program</td>
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<td>Univ Grad &amp; Prof Council</td>
<td>emailed to Nancy Hogan</td>
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<td>Form C</td>
<td>10/12/2010</td>
<td>FLITE</td>
<td>emailed to David Scott</td>
</tr>
</tbody>
</table>

4. Will External Accreditation be Sought? (For new programs or certificates only)

________ Yes  _________ No

If yes, name the organization involved with accreditation for this program.

5. Program Checksheets affected by this proposal.
   Master of Science in Information Systems Management (MS-ISM)
   Advanced Study Certificate in Security and Networking (ASSN)
CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This completed form must be forwarded with the proposal to the chair/head of the department to be consulted.

2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title  ISM Curriculum Revision

<table>
<thead>
<tr>
<th>Initiator(s): Information Systems Management</th>
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<tbody>
<tr>
<td>Proposal Contact: Greg Gogolin Date Sent: 12/10/10 (recd 12/21/10)</td>
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<tr>
<td>Department: AFIS Campus Address: IRC 212g</td>
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<tr>
<th>Responding Department: FLITE Reference &amp; Instructional Services</th>
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<tbody>
<tr>
<td>Chair/Head/Coordinator: Randall Schroeder Date Returned: <em>1/6/11</em></td>
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</table>

Based upon department faculty review on _1/6/11_ (date), we

☐ Support the above proposal.
☒ Support the above proposal with the modifications and concerns listed below.
☐ Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

FLITE’s concern with the proposal was the elimination of the face-to-face information literacy portion taught within the MMBA 601 course. During discussions with Greg Goglin, he suggested that information literacy modules be considered to work with the MISM students, and that face-to-face information literacy instruction be incorporated into the introduction to research session that meets the Saturday before semesters begin. FLITE is willing to do this instruction as requested. New information literacy modules are currently being designed, but are not yet in place. We still would like to incorporate face-to-face instruction with MISM students during their course of study.
CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

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2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.
   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title  ISM Curriculum Revision

Initiator(s): Information Systems Management
Proposal Contact: Greg Gogolin Date Sent: 10/12/10
Department: AFIS Campus Address: IRC 212g
(Please print)

Responding Department: Management
Chair/Head/Coordinator: David Steenstra Date Returned: 10-27-10

Based upon department faculty review on _____(date), we

☐ Support the above proposal.
☐ Support the above proposal with the modifications and concerns listed below.
☒ Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

The Management department discussed this proposal at our monthly meeting held on October 29, 2010. The department vote was:

13 No support, 2 Support, 2 Abstain

Comments: Students are already not as prepared as they need to be in the area of professional skills, presentations, research, writing, and APA reference formats. Students need these soft skills. This class should not be dropped. Students are already challenged to write an appropriate business letter.
CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

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2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

**RE: Proposal Title**  **ISM Curriculum Revision**

<table>
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<tr>
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<td>Proposal Contact: Greg Gogolin Date Sent: 10/12/10</td>
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<th>Responding Department: Nursing</th>
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<tr>
<td>Chair/Head/Coordinator: Julie Coon Date Returned: ______</td>
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Based upon department faculty review on ______(date), we

- [ ] Support the above proposal.
- [ ] Support the above proposal with the modifications and concerns listed below.
- [ ] Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.
CURRICULUM CONSULTATION FORM

For proposals affecting graduate and professional curricula

1. This completed form should be forwarded with the proposal to the chair of the University Graduate and Professional Council.

2. The University Graduate and Professional Council must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must respond to any concerns by the Council. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title  ISM Curriculum Revision

Initiator(s): Greg Gogolin

Proposal Contact: Greg Gogolin Date Sent: 10/12/10

Department: AFIS Campus Address: IRC212e
(Please print)

Response from: Graduate and Professional Council

Chair: Nancy Hogan Date Returned: 11/9/10

Based upon Graduate and Professional Council review on 11/9/10, we

☑ Support the above proposal.
☐ Support the above proposal with the modifications and concerns listed below.
☐ Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on graduate and professional program issues at the university. Use additional pages, if necessary.

Concern from MBA that incorporation of material from MBA 601 needed to be more clearly laid out as to what classes would cover the material.
FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. All returned forms should be included in the proposal. FLITE must respond within 20 calendar days of receipt of this form to insure that the form is included in the final proposal.

FAILURE TO RESPOND IS CONSIDERED AS SUPPORT OF THE CHANGE.

RE: Proposal Title: ISM Curriculum Revision

Projected number of students per year affected by proposed change: 50

Initiator(s): Greg Gogolin
Proposal Contact: Greg Gogolin Date Sent: 10/12/10
Department: AFIS Campus Address: IRC212-g
(Please print)

Liaison Librarian Signature: David A. Scott Date: 10-12-10
Dean of FLITE Signature:  Mary  Date Returned: 10-12-10

Based upon our review on 10/12/10 (date), FLITE concludes that:

☒ Library resources to support the proposed curriculum change are currently available.
☐ Additional Library resources are needed but can be obtained from current funds.
☐ Support, but significant additional Library funds/resources are required in the amount of $__________.
☐ Does not support the proposal for reasons listed below.

Comment regarding the impact this proposal will have on library resources, collection development, programs, etc. Use additional pages if necessary.

# Ten Core Courses Required

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<td>MMSA 601</td>
<td>Professional Skills Development</td>
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<td>MISM 610</td>
<td>Database Management and Administration</td>
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<td>MISM 629</td>
<td>Legal and Ethical Issues in Business</td>
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<td>MISM 634</td>
<td>Financial Management for Information Systems Managers</td>
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<td>MISM 640</td>
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<td>MISM 661</td>
<td>Information Security/Assurance</td>
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<td>Management Information Systems</td>
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<td>MISM 670</td>
<td>Network Management &amp; Design</td>
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<td>MISM 799</td>
<td>Integrated Capstone Project (prereq final semester or dept approval)</td>
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# Two Elective Courses Required

(Electives for the MS-ISM degree may be selected in combination with core courses to complete Advanced Studies Certificates offered by the College of Business)

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<td>MISM 646</td>
<td>Systems Integration (prerequisite MISM 610 &amp; MISM 665)</td>
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<td>MISM 659</td>
<td>Application Development (prerequisites MISM 610)</td>
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<td>MISM 660</td>
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<td>MISM 662</td>
<td>Network Penetration Testing (prerequisite MISM 661)</td>
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<td>MISM 671</td>
<td>Advanced Network Management &amp; Design (prerequisite MISM 670)</td>
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| TEN CORE COURSES REQUIRED | CREDITS | TWO ELECTIVE COURSES REQUIRED | CREDITS | TOTAL | 36 |

A grade of C or better is required in all classes. An overall GPA of 3.0 or better must be maintained to avoid dismissal from either program. An overall GPA of 3.0 or better is required to earn the MBA or MS-ISM degree.

Graduate Honors Requirements: Distinction requires 3.75 to 3.89 overall GPA. Highest Distinction requires 3.90 to 4.0 overall GPA.

Five-year BS Accounting degree and MBA or MS-ISM toward CPA - Junior year Bachelor of Science in Accountancy program majors may apply for fourth and fifth year dual enrollment in Accountancy and MBA or MS-ISM. Successful students earn their Bachelors, Masters, and satisfy the 150 minimum credit hours required to practice as a licensed Certified Public Accountant (CPA).

Master of Science Nursing (MSN) Concentrations - MBA students who hold a RN license may select a 12 hour concentration from the MSN program. MSN students may select a 12 hour Administration Concentration or Business Intelligence & Informatics Certificate from the College of Business.

Updated Spring 2010
## College of Business Advanced Study Certificate Options

A grade of C or better is required in all classes. No more than 50% of the credits in a certificate may be transferred from another institution, nor, will the certificate be granted if more than 50% of the certificate credits are specifically required in a student’s major.

### ASBI - ADVANCED STUDIES CERTIFICATE IN BUSINESS INTELLIGENCE & INFORMATICS – 12 Credits (not an option for MS/ISM students)

The Business Intelligence and Informatics certificate is designed to prepare individuals with both theoretical and practical experience in designing, developing and utilizing database and informatics systems, tools and techniques in a decision support environment.

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<td>MISM 610</td>
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<td>MISM 665</td>
<td>Information and Analysis Systems</td>
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### ASDI – ADVANCED STUDIES CERTIFICATE IN DESIGN AND INNOVATION MANAGEMENT – 12 CREDITS

The Design and Innovation Management certificate prepares graduates for leadership positions in design-centered businesses. The program provides students a comprehensive understanding of the ways in which the method, measure, and language of design drive the practice of business and the process of innovation and teaches them how to cultivate and build a culture of innovation within their organization. (This certificate is offered at Kendall College of Art and Design in Grand Rapids.)

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<tr>
<th>COURSE #</th>
<th>TITLE</th>
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<tr>
<td>KDES 650</td>
<td>Design and Innovation Process Management</td>
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<td>KDES 750</td>
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<td>KDES 751</td>
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</table>

### ASPM - ADVANCED STUDIES CERTIFICATE IN PROJECT MANAGEMENT – 12 Credits (coming soon Spring 2011)

The Project Management certificate is designed to prepare individuals for careers in project management in technical and non-technical fields. This certificate is seeking accreditation by the Project Management Institute’s Global Accreditation Center, and as such will reduce the required work experience for the Project Management Professional (PMP) certification by 1500 hours.

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<td>MISM 640</td>
<td>Project Management</td>
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<td>Project Risk and Quality Management</td>
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### ASSI - ADVANCED STUDIES CERTIFICATE IN E-BUSINESS AND SYSTEMS INTEGRATION – 12 Credits

The E-Business and Systems Integration certificate is designed to prepare individuals to select and determine information systems components, applications, database design and development, web application design and development, and to acquire the skills to develop and implement e-business applications.

<table>
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<tr>
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<tr>
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<td>MISM 659</td>
<td>Application Development (prerequisites MISM 610)</td>
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<td>MISM 665</td>
<td>Management Information Systems</td>
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### ASSN - ADVANCED STUDIES CERTIFICATE IN INFORMATION SECURITY & NETWORKING MGMT – 12 Credits

The Security & Networking certificate is designed to prepare individuals with both theoretical and practical experience in designing and protecting local area networking systems, incorporating principles of information security, incident detection/reaction, and computer forensic tools and techniques (ranging from the servers to personal digital assistants).

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<tr>
<td>MISM 670</td>
<td>Network Management &amp; Design</td>
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### ASTC – ADVANCED STUDIES CERTIFICATE IN MANAGEMENT TOOLS AND CONCEPTS – 12 CREDITS

The Management Tools and Concepts certificate is designed to create business leaders that have a robust exposure to global business and organizational sustainability concepts and issues and to enable those leaders to use technical tools to aid in understanding business systems, developing improvement strategies, and leading and managing the change process.

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Updated Spring 2010
Master of Science in Information Systems Management

## TEN CORE COURSES REQUIRED

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<td>MISM 629</td>
<td>Legal and Ethical Issues in Business</td>
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<td>Financial Management for Information Systems Managers</td>
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<td>MISM 638</td>
<td>Social Media/Global Business Communications</td>
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<td>MISM 640</td>
<td>Project Management</td>
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<td>MISM 665</td>
<td>Management Information Systems</td>
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<td>Network Management &amp; Design</td>
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<tr>
<td>MISM 740</td>
<td>Business Intelligence (prerequisite MISM 610)</td>
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<td>MISM 799</td>
<td>Integrated Capstone Project (prereq final semester or dept approval)</td>
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## TWO ELECTIVE COURSES REQUIRED

(Electives for the MS-ISM degree may be selected in combination with core courses to complete Advanced Studies Certificates offered by the College of Business)

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<th>COURSE #</th>
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<tr>
<td>MISM 680</td>
<td>Special Topics in Information Systems &amp; Technology</td>
<td>3</td>
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<tr>
<td>MISM 691</td>
<td>Internship (completion of 15 MS-ISM credits &amp; Dept approval)</td>
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## TEN CORE COURSES REQUIRED

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## TWO ELECTIVE COURSES REQUIRED

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</table>

A grade of C or better is required in all classes. An overall GPA of 3.0 or better must be maintained to avoid dismissal from either program. An overall GPA of 3.0 or better is required to earn the MBA or MS-ISM degree.

**Graduate Honors Requirements:** Distinction requires 3.75 to 3.89 overall GPA  Highest Distinction requires 3.90 to 4.0 overall GPA

**Five-year BS Accounting degree and MBA or MS-ISM toward CPA** - Junior year Bachelor of Science in Accountancy program majors may apply for fourth and fifth year dual enrollment in Accountancy and MBA or MS-ISM. Successful students earn their Bachelors, Masters, and satisfy the 150 minimum credit hours required to practice as a licensed Certified Public Accountant (CPA).

**Master of Science Nursing (MSN) Concentrations** - MBA students who hold a RN license may select a 12 hour concentration from the MSN program. MSN students may select a 12 hour Administration Concentration or Business Intelligence & Informatics Certificate from the College of Business.

Updated Spring 2010
A grade of C or better is required in all classes. No more than 50% of the credits in a certificate may be transferred from another institution, nor will the certificate be granted if more than 50% of the certificate credits are specifically required in a student's major.

**ASBI - ADVANCED STUDIES CERTIFICATE IN BUSINESS INTELLIGENCE & INFORMATICS – 12 Credits** *(not an option for MS-ISM students)*

The Business Intelligence and Informatics certificate is designed to prepare individuals with both theoretical and practical experience in designing, developing and utilizing database and informatics systems, tools and techniques in a decision support environment.

<table>
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<tr>
<td>MISM 610</td>
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<td>MISM 665</td>
<td>Information and Analysis Systems</td>
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<td>MISM 740</td>
<td>Business Intelligence <em>(prerequisite MISM 610)</em></td>
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**SUBTOTAL** 12

**ASDI – ADVANCED STUDIES CERTIFICATE IN DESIGN AND INNOVATION MANAGEMENT – 12 CREDITS**

The Design and Innovation Management certificate prepares graduates for leadership positions in design-centered businesses. The program provides students a comprehensive understanding of the ways in which the method, measure, and language of design drive the practice of business and the process of innovation and teaches them how to cultivate and build a culture of innovation within their organization. *(This certificate is offered at Kendall College of Art and Design in Grand Rapids)*

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<td>KDES 651</td>
<td>Design Communication Management</td>
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<td>KDES 750</td>
<td>Sustainable Design and Systems</td>
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<td>KDES 751</td>
<td>Leadership by Design</td>
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**SUBTOTAL** 12

**ASPM – ADVANCED STUDIES CERTIFICATE IN PROJECT MANAGEMENT – 12 Credits** *(coming soon Spring 2011)*

The Project Management certificate is designed to prepare individuals for careers in project management in technical and non-technical fields. This certificate is seeking accreditation by the Project Management Institute’s Global Accreditation Center, and as such will reduce the required work experience for the Project Management Professional (PMP) certification by 1500 hours.

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**ASSN – ADVANCED STUDIES CERTIFICATE IN INFORMATION SECURITY & NETWORKING MGMT – 12 Credits**

The Security & Networking certificate is designed to prepare individuals with both theoretical and practical experience in designing and protecting local area networking systems, incorporating principles of information security, incident detection/reaction, and computer forensic tools and techniques (ranging from the servers to personal digital assistants).

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<td>MISM 670</td>
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**ASTC – ADVANCED STUDIES CERTIFICATE IN MANAGEMENT TOOLS AND CONCEPTS – 12 CREDITS**

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**SUBTOTAL** 12

Updated Spring 2010
FORM D CURRENT CERTIFICATE CHECK SHEET

Ferris State University – College of Business
ACCOUNTING, FINANCE, AND INFORMATION SYSTEMS DEPARTMENT

Advanced Studies Certificate in Information Security and Networking – 12 credits

NAME: ______________________ CWI#: ______________________ MAJOR: ______________________

ASSN - ADVANCED STUDIES CERTIFICATE IN INFORMATION SECURITY & NETWORKING – 12 Credits

The Information Security & Networking certificate is designed to prepare individuals with both theoretical and practical experience in designing and protecting local area networking systems, incorporating principles of information security, incident detection/reaction, and computer forensic tools and techniques (ranging from the servers to personal digital assistants).

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NOTE: No more than 50% of the credits in this certificate may be transferred from another institution, nor, will this certificate be granted if more than 50% of the certificate credits are specifically required in the students major.

For more information, please contact the College of Business Graduate Programs Secretary or AFIS Department Head in College of Business - BUS 212, or phone (231) 591-2168.

NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION OF STUDIES

Students who return to the university after an interrupted enrollment (not including summer semester) must normally meet the requirements of the certificate which are in effect at the time of their return, not the requirements which were in effect when they were originally admitted.

NOTE: Successful completion of the Advanced Studies in Security and Networking Certificate requires a 3.0 cumulative GPA, and no course grade less than a 2.0.

Student Name: _______________________________________ Student ID: ........................ Date: _______________

Accounting, Finance & Information Systems Department Approval: __________________________ Date: _______________

(To receive this certificate, you must request a certificate clearance from the AFIS Department in Bus 212)
FORM D PROPOSED CERTIFICATE CHECK SHEET

Ferris State University – College of Business
ACCOUNTING, FINANCE, AND INFORMATION SYSTEMS DEPARTMENT

Advanced Studies Certificate in Information Security and Networking – 12 credits

NAME: ___________________________ CWI#: ________________ MAJOR: ___________________________

ASSN - ADVANCED STUDIES CERTIFICATE IN INFORMATION SECURITY & NETWORKING - 12 Credits
The Information Security & Networking certificate is designed to prepare individuals with both theoretical and practical experience in designing and protecting networks, digital devices, and data by incorporating principles of information security, incident detection/reaction, and penetration testing.

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For more information, please contact the College of Business Graduate Programs Secretary or AFIS Department Head in College of Business - BUS 200E, or phone (231) 591-2168.

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NOTE: Successful completion of the Advanced Studies in Security and Networking Certificate requires a 3.0 cumulative GPA, and no course grade less than a 2.0.

Student Name: ___________________________ Student ID: ________________ Date: __________

Accounting, Finance & Information Systems Department Approval: ___________________________ Date: __________

(To receive this certificate, you must request a certificate clearance from the Dean’s Office in BUS 200)
The primary goal of this certificate is to develop an understanding of the threats to information security and networks, and to be able to proactively manage the risks and implications.

**End of Program Outcomes:**

1. Demonstrate an understanding of network design options and function, evaluate the role of networks in a globally competitive organization, and understand the security capabilities.
2. Research, evaluate and differentiate information assurance threats, implications, and preventative measures.
3. Develop information security policies, security blueprints, continuity plans, disaster recovery plans, and incident response plans.
4. Construct, execute, and interpret the results of penetration tests.
5. Recommend and implement preventative, defensive, and corrective measure based on information security, network, and/or penetration testing analysis.

**End of Program Assessment Plan:**

1. Preparation and examination of student portfolios
2. Standardized assessments and applied problem sets
3. Student surveys
NEW COURSE INFORMATION FORM

Course Identification:
Prefix: MISM Number 638  Title: Social Media and Global Business Communications

Course Description:
Students examine effective strategies for social media and virtual worlds in a global business environment. Topics include Web 2.0 tools such as blogs, podcasts, social networking, and evolving technologies that bring businesses closer to customers. Particular emphasis is placed on business integration, secure practices and privacy.

Course Outcomes and Assessment Plan:
1. Research the changing face of virtual commerce, context and processes and describe appropriate applications.
   Assessment: Students will demonstrate appropriate use of social media, context and process knowledge through classroom exercises, assignments and/or assessments.
2. Construct social media and communication plans that demonstrate appropriate into the business model that incorporate global awareness.
   Assessment: Given scenarios, students will construct social media and communication plans, evaluate situations, and provide solutions with appropriate recommendations.
3. Demonstrate an understanding of global security and privacy exposures in a social media setting.
   Assessment: Given a scenario or problem set, students will determine proper social media security and privacy plans.
4. Research the global human aspect implications of social media and other emerging technologies.
   Assessment: Given a scenario or problem set, students will determine implications of social media on inter and intrapersonal interaction.
5. Evaluate social media communication programs and portfolios for contribution to overall organizational goals.
   Assessment: Given a scenario or problem set, students will determine social media effectiveness strategies.

Course Outline including Time Allocation:
1. Virtual Commerce – 15%
   a. Historical and future trends
   b. Context
   c. Global business models

2. Social Media Communication Plans – 15%
   a. Appropriate and inappropriate uses
   b. Technologies
   c. Best Practices
   d. Situational analysis
   e. Global/cultural implications

3. Security and Privacy – 20%
   a. Laws and regulations, global implications
   b. Liability
   c. Case study analysis
   d. Developing security and privacy policies

4. Human Aspects – 15%
   a. Impact of social media on personal communication
   b. Psychology of social media
   c. Etiquette
   d. Global cultural connotations

5. Program and Portfolio Evaluation – 35%
   a. Business plans
   b. Metrics
   c. Communication
NEW COURSE INFORMATION FORM

Course Identification:
Prefix: MISM Number 670   Title: Network Management and Design

Course Description:
Students will examine the basic components of Local Area Networks including topologies, protocols, and wiring schemes. Operating environments explored will be both peer to peer and at least one server based network. Once exposed to managing these environments, the student will employ their analytical skills in determining the strengths and weaknesses of each of the environments.

Course Outcomes and Assessments:
Upon completing this course, students will be able to:

1. Analyze network design options and function, and evaluate the role of a network in a globally competitive organization.
   **Assessment:** Students will be able to explain the benefits and the need for a local area network and the value it has for business.

2. Analyze the function of network components and be able to diagram a network design and compare and contrast design options.
   **Assessment:** Given design requirements, students will be able to develop a conceptual design of a local area network to support a business model. Compare and contrast configuration options and support your choices.

3. Understand and analyze the function of a protocol and CSMA/CD. Compare and contrast the various protocols in the TCP/IP suite and explain their function.
   **Assessment:** Students will be able to identify TCP/IP address classes and subnet masks and be able to discuss network packet collisions and give possible solutions.

4. Install and configure server for at least two network operating systems. Compare and contrast the differences analyzing strengths and weaknesses.
   **Assessment:** Students will install and configure a file server using two network operating systems.

5. Set user rights and describe net effective rights and relationship directory structures.
   **Assessment:** Students will be able to describe the rights that are available in the network operating systems they are working in, be able to set various levels of access rights and explain how inheriting rights has an effect on a users rights in a given directory.

6. Configure various network server services such as DNS, DHCP and web server services on both network operating services.
   **Assessment:** Students will install and configure various typical network services on the servers configured in point 4 above. In addition to hands on practice, students will deliver a paper comparing and contrasting the usability, strengths and weaknesses of the two operating systems.

Course Outline including time Allocation:
1. Network fundamentals (4 hours)
   a) connectivity  b) local networks  c) global networks
2. Network components (4 hours)
   a) hardware,  b) software
3. TCP/IP and Ethernet (5 hours)
   a) IP structure  b) classes of licenses  c) packets in TCP/IP  d) CSMA/CD
4. Installing server based network (10 hours)
   a) Installation  b) configuring the servers  c) setting a baseline
5. User environment in a server-based network (8 hours)
   a) User rights  b) group rights  c) inheritance  d) effective rights
6. Installing, configuring and analyzing network services such as DHCP, DNS, and Web services on 2 operating systems (14 hours)
NEW COURSE INFORMATION FORM

Course Identification:

Prefix: MISM    Number: 691    Title: ISM Internship

Course Description:
An internship with work experience designed to be relevant to the student’s academic pursuits, personal development, and professional preparation. The work experience must last a minimum of 10 weeks with credits based on total hours worked. 1 credit = 80 hours minimum, 2 credits = 160 hours minimum, 3 credits = 240 hours minimum. Detailed reports of work experience required. Internship may be repeated for additional credits not to exceed six total credits. Prerequisites: Successful completion of 15 MISM credits and Department approval. Typically offered Fall, Spring, and Summer.

Course Outcomes and Assessment Plan:
Prior to internship approval, objectives and outcomes will be predetermined by each student with the employer, internship coordinator, and the ISM student advisor. The internship will take place in accordance with the College of Business Internship Student Manual.

Assessment of each Intern’s performance will take place in two ways:
(1) A mid-way and exit employer evaluation of intern (in accordance with the College of Business Internship Student Manual).
(2) An exit interview with the student (in accordance with the College of Business Internship Student Manual).

Course Outline including Time Allocation:
The learning objectives and special project will be determined in consultation with internship employer, student advisor, and student prior to internship approval.
CREATE NEW COURSE
Course Data Entry Form

I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes
1. Complete each item in Section I and Section II.
2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digit code only): 201108  Examples: 200801 (Spring), 200805 (Summer), 200808 (Fall)
Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. PROPOSED FOR NEW COURSE: Complete all sections a through r. See manual for clarification.

a. Course Prefix: MISM  b. Number: 638  c. Enter Contact Hours per week in boxes. Lecture □  Lab □  Independent Study – Check (x) □  Practicum: □  Seminar: □

d. Course Title: Social Media/Global Bus Comm  (Limit to 30 characters/spaces.)

e. College Code: B  f. Department Code: FIS

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

Type: □ Variable  □ Fixed  h. Minimum Credit Hours: 3  i. Maximum Credit Hours: 3

j. May Be Repeated for Added Credit: Check (x) □ Yes  □ No

k. Levels: Check (x) □ Undergraduate  □ Graduate  □ Professional

l. Grade Method: Check (x) □ Normal Grading  □ Credit/No Credit only (Pass/Fail)

m. Does proposed new course replace an equivalent course? Check (x) □ Yes  □ No

n. Equivalent course: Prefix  Number  See instructions on Replacement courses.

o. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

Students examine effective strategies for social media and virtual worlds in a global business environment. Topics include Web 2.0 tools such as blogs, podcasts, social networking, and evolving technologies that bring businesses closer to customers. Particular emphasis is placed on business integration, secure practices and privacy.

p. Term(s) Offered: F, Sp, Su Alternating semesters  (See instructions for listing.)  q. Max. Section Enrollment: 20

r. Prerequisites/Co-requisites/Restrictions: (If none, leave blank.) Limited to 100 spaces. Graduate standing or instructor permission.

UGC Chair Signature/Date: 1/14/11  Academic Affairs Approval Signature/Date: 2/14/11

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code □ Basic Skill (BS) □ General Education (GE) □ Occupational Education (OC) □ G.E. Codes

Office of the Registrar use ONLY

Date Rec'd:  Date Completed:  Entered: SCACRSE □ SCADTL □ SCARRES □ SCAPREQ □
I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:

1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
2. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below):

b. Term Effective (6 digit code only): 201108 Examples: 200801(Sprin), 200805(Summer), 200808(Fall)

Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix: MISM
b. Number: 670

Enter Contact Hours per week in boxes.

LECTure: 3 LAB:[] INDependent Study – Check (x) []
Practicum: [] Seminar: []

d. Course Title: Network Management and Design

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix: []
b. Number: []
c. Enter Contact Hours per week in boxes.

LECTure: [] LAB: [] INDependent Study – Check (x) []
Practicum: [] Seminar: []

d. Course Title: (Limit to 30 characters/spaces.)

e. College Code: [] f. Department Code: []

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: [ ] Variable  [ ] Fixed  h. Maximum Credit Hours: []
i. Minimum Credit Hours: []

j. May Be Repeated for Added Credit: Check (x) [ ] Yes  [ ] No

k. Levels: Check (x) [ ] Undergraduate  [ ] Graduate  [ ] Professional

l. Grade Method: Check (x) [ ] Normal Grading  [ ] Credit/No Credit only (Pass/Fail)

m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

Students will examine the basic components of Local Area Networks including topologies, protocols, and wiring schemes. Operating environments explored will be both peer to peer and at least one server based network. Once exposed to managing these environments, the student will employ their analytical skills in determining the strengths and weaknesses of each of the environments.

n. Term(s) Offered: Sp (See instructions for listing.)
o. Max. Section Enrollment: []

p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces. []

UCC Chair Signature/Date: 1/24/17  Academic Affairs Approval Signature/Date: 2/17/17

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
[ ] Basic Skill (BS) [ ] General Education (GE) [ ] Occupational Education (OC) [ ] G.E. Codes

Office of the Registrar use ONLY

Date Rec’d:  Date Completed: Entered: SCACRSE _ SCADETL _ SCARRES _ SCAPREQ _
CREATE NEW COURSE
Course Data Entry Form

FORM F
Create New Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: CREATE A NEW COURSE
Notes
1. Complete each item in Section I and Section II.
2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digits code only): 201108 Examples: 200801(Spring), 200805(Summer), 200808(Fall)
Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. PROPOSED FOR NEW COURSE: Complete all sections a through r. See manual for clarification.

a. Course Prefix
MISM

b. Number
691

c. Enter Contact Hours per week in boxes.
LECture 3 LAB
INDependent Study – Check (x) __
Practicum: ___ Seminar: ___

d. Course Title: ISM Internship (Limit to 30 characters/spaces.)

e. College Code SU f. Department Code AFIS
Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

3. Minimum Credit Hours 1 i. Maximum Credit Hours 3

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. Does proposed new course replace an equivalent course? Check (x) Yes No

n. Equivalent course: Prefix Number See instructions on Replacement courses.

o. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.
Internship with work experience relevant to the student's academic pursuits, personal development, and professional preparation. Work experience must last a minimum of 10 weeks, with credits based on total hours worked. 1 credit=80 hours minimum, 2 credits=160 hours minimum, 3 credits=240 hours minimum. Detailed reports of work experience required. May be repeated for additional credits not to exceed six total credits. Prerequisites: Successful completion of 15 MISM credits and Department approval.

p. Term(s) Offered: FSp. Su (See instructions for listing.)
q. Max. Section Enrollment: 20
r. Prerequisites/Co-requisites/Restrictions: Successful completion of 15 MISM credits and Department approval.

UCB Chair Signature/Date: 

Academic Affairs Approval Signature/Date: 

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
[] Basic Skill (BS) [] General Education (GE) [] Occupational Education (OC) [] G.E. Codes

Office of the Registrar use ONLY

Date Rec'd: ___ Date Completed: ___ Entered: SCAZRE SCADTL SCARRES SCAPREQ ___
I. ACTION TO BE TAKEN: DELETE COURSE FROM CATALOG.

   Note: Complete each section.

   The course described below will be moved to inactive status.

   a. Term Effective: Term FALL Year 2011 See instructions.

II. CURRENT COURSE TO BE DELETED FROM THE ACTIVE STATUS:

   Include the information that is in the current course database.

   a. Course Prefix MISM
   b. Number 659
   c. Enter Contact Hours per week in boxes.
      LECTure X LAB □ INDependent Study – Check (x) □
      Practicum: □ Seminar: □
   d. Full Course Title: Application Development

UCC Chair Signature/Date: 1/24/11

Academic Affairs Approval Signature/Date: 2/4/11

Office of the Registrar use ONLY

Date Rec’d: ___ Date Completed: ___ Entered: SCACRSE _ SCADETL _SCARRES _SCAPREQ _
I. ACTION TO BE TAKEN: DELETE COURSE FROM CATALOG.

Note: Complete each section.

The course described below will be moved to inactive status.

a. Term Effective: Term  FALL  Year 2011  See instructions.

II. CURRENT COURSE TO BE DELETED FROM THE ACTIVE STATUS:

Include the information that is in the current course database.

a. Course Prefix  MISM 

b. Number  671 

c. Enter Contact Hours per week in boxes.
   LECTure  X  LAB  INDependent Study – Check (x)  
   Practicum:  
   Seminar:  

d. Full Course Title:  Advanced Network Management & Design
Shannon,

The CCC voted (6-0-0) on this proposal today. Do you have the original with signature page? If so, I’ll come by and sign. Also, please add the attached if not already in there (addresses MGMT concern).

Thanks.

--j

Jim Jones, Ph.D.
Associate Professor
Ferris State University
(c) 231-944-8020
(o) 231-591-3148
(e) JamesJones@ferris.edu

------- Original Message -------
To: James Jones (JamesJones@ferris.edu)
From: Shannon Yost (ShannonYost@ferris.edu)
Subject: Fw: MS-ISM Proposal for CCC review
Date: 11/10/2010 8:55:26a

To Jim Jones for COB CCC:
I have added Form C from FLITE and Forms B from Management and the UGPC. I have not received a Form B from Nursing, perhaps one of you has received it. If you have it, please forward it to me to add to the original proposal, if not, it has been 29 days (Failure to respond is interpreted as support for the proposal). Here is the complete proposal with the returned consultation forms added.
(See attached file: ISM Curriculum RevisionPROPOSED.pdf)

Have a great day!!
Shannon Yost, Secretary III
--10 years of service to FSU--
College of Business Graduate Programs
119 South Street, BUS 200E
Big Rapids, MI 49307-2284
Phone: (231) 591-2168, Fax: (231) 591-3521
Website: http://cbgp.ferris.edu

----- Forwarded by Shannon Yost/FSU on 11/10/2010 08:42 AM -----

From: Shannon Yost/FSU
To: Jim Jones <jim@secure99.net>
Date: 10/12/2010 02:42 PM
Subject: MS-ISM Proposal for CCC review

[attachment "ISM Curriculum RevisionPROPOSED.pdf" deleted by Shannon Yost/FSU]

Shannon Yost, Secretary III
--10 years of service to FSU--
College of Business Graduate Programs
<table>
<thead>
<tr>
<th>MMBA 601 Course Outcomes</th>
<th>MISM Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Each participant will produce written documents that conform to business and technical writing expectations and APA guidelines.</td>
<td>MISM 610</td>
</tr>
<tr>
<td>2. Each participant will produce an oral presentation with visuals that conforms to professional expectations.</td>
<td>X</td>
</tr>
<tr>
<td>3. Each participant will demonstrate the ability to access research materials through a variety of sources.</td>
<td>X</td>
</tr>
<tr>
<td>4. Each participant will actively participate in group activities.</td>
<td>X</td>
</tr>
</tbody>
</table>
Regarding the items below:

1) Kristy completed the requested Form B and I forwarded to Paula. Kristy supported with the following concern: "FLITE's concern with the proposal was the elimination of the face-to-face information literacy portion taught within the MMBA 601 course. During discussions with Greg Gogolin, he suggested that information literacy modules be considered to work with the MISM students, and that face-to-face information literacy instruction be incorporated into the introduction to research session that meets the Saturday before semesters begin. FLITE is willing to do this instruction as requested. New information literacy modules are currently being designed, but are not yet in place. We still would like to incorporate face-to-face instruction with MISM students during their course of study."

Response: I discussed the library literacy issue with Kristy and David Scott at length. I met with David and offered to assist in developing a series of online literacy modules that could be incorporated into each of our classes - not just in one course on the first day of the program. This would allow students to receive literacy training if they previously haven't or refresh their skills if necessary. In my discussions with David I mentioned that this is how the University of Maryland University Center (UMUC) handles library literacy training (which I have recently taken). UMUC is the largest public university in the US, with a very large online presence. David indicated that he was familiar with the UMUC approach that that FLITE was already in process for delivering these opportunities. Further, I asked David and Kristy if they could meet with our MISM799 capstone class for a refresher in library literacy as that is a time of high library utilization by our students. While there was interest in meeting with our students, FLITE staffing levels precluded meeting with the students spring semester as they are already meeting with 601 and another class at that time. Because staffing levels will likely be on ongoing issue, I'd like to suggest that Adobe Connect Pro be considered by the library for potential synchronous training sessions.

2) We completed a mapping of the 601 course outcomes (submitted to Leonard and Anita 12/13/10 via email as it was absent from the UCC proposal, submitted to Paula 1/11/11 requesting inclusion in the proposal) that indicates where the outcomes are addressed in other courses and the new Social Media and Business Communications course. Again, the outcomes are not being removed from the ISM program. Anita (part of the MGT department) was satisfied with the mappings. I forwarded the mappings to David Steenstra (MGT) with the additional feedback regarding the library literacy developments.

Please let me know if there are other questions or clarifications.

Greg
To: Greg Gogolin/FSU@Ferris  
From: Leonard Johnson/FSU  
Date: 12/16/2010 02:14PM  
Cc: Sandra L Alsbach/FSU@FERRIS, Leonard Johnson/FSU@Ferris, Paula L Hadley-Kennedy/FSU@Ferris, Donald Flickinger/FSU@FERRIS, Terrence J Doyle/FSU@FERRIS, Ronald A Mehringer/FSU@FERRIS, Kristen L Motz/FSU@FERRIS, Fritz J Erickson/FSU@FERRIS, Tracey Boncher/FSU@FERRIS, Steve Barnes/FSU@FERRIS, Mitzi A Day/FSU@Ferris, Anita Fagerman/FSU@FERRIS, Helen Woodman/FSU@FERRIS, Olukemi Fadayomi/FSU@FERRIS, Maureen Milzarski/FSU@Ferris  
Subject: ISM Curriculum Revision

Hi Greg

The UCC met on Monday and discussed your ISM proposal. We need just a couple of things before we'll be able to move the proposal forward:
1) Please submit a Form B to Kristy Motz in FLITE and then respond to any concerns which may be raised; and,
2) Respond to the concerns raised on the Form B from Management.

Please contact Anita Fagerman or me should you have any questions.

Thanks. Have a great Holiday.

Leonard

Leonard R. Johnson, Ph.D  
Professor of Education and Chair,  
Strategic Planning and Resources Council  
University Curriculum Committee  
Ferris State University  
1349 Cramer Circle  
Big Rapids, Michigan 49307  
(231) 591-2134  
http://www.ferris.edu/education/education
CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This completed form must be forwarded with the proposal to the chair/head of the department to be consulted.

2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title ISM Curriculum Revision

Initiator(s): Information Systems Management

Proposal Contact: Greg Gogolin Date Sent: 12/10/10 (recd 12/21/10)

Department: AFIS Campus Address: IRC 212g
(Please print)

Responding Department: FLITE Reference & Instructional Services

Chair/Head/Coordinator: Randall Schroeder Date Returned: _1/6/11_

Based upon department faculty review on _1/6/11_ (date), we

☐ Support the above proposal.
☒ Support the above proposal with the modifications and concerns listed below.
☐ Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

FLITE’s concern with the proposal was the elimination of the face-to-face information literacy portion taught within the MMBA 601 course. During discussions with Greg Goglin, he suggested that information literacy modules be considered to work with the MISM students, and that face-to-face information literacy instruction be incorporated into the introduction to research session that meets the Saturday before semesters begin. FLITE is willing to do this instruction as requested. New information literacy modules are currently being designed, but are not yet in place. We still would like to incorporate face-to-face instruction with MISM students during their course of study.
4. Each participant will actively participate in group activities.

3. Each participant will demonstrate the ability to access required materials.

2. Each participant will produce an oral presentation with visual aids and written explanations and/ or illustrations.

1. Each participant will produce written documents that conform to business

MINAS 601 Course Outcomes
Hi Greg

The UCC met on Monday and discussed your ISM proposal. We need just a couple of things before we'll be able to move the proposal forward:

1) Please submit a Form B to Kristy Motz in FLITE and then respond to any concerns which may be raised; and,
2) Respond to the concerns raised on the Form B from Management.

Please contact Anita Fagerman or me should you have any questions.

Thanks. Have a great Holiday.

Leonard

Leonard R. Johnson, Ph.D
Professor of Education and Chair,
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