

ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)

All proposals **MUST** have their originating college faculty body (Ex. Nursing, Technical Sciences, Arts & Sciences, Education) approval and must be signed by the submitter and the college chair/dean before being submitted to the academic senate secretary.

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. The Full Faculty considers academic senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page --

<http://www.msun.edu/admin/provost/asproposals.htm>

Documentation and forms for the curriculum process is also available on the web page:

<http://www.msun.edu/admin/provost/asforms.htm>

*******(If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the Chair/Dean of the submitting college who then notifies the originator.)**

Proposal # <u>02-35</u>	Title: <u>CS BA, AAS, + minor Program Changes</u>
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(proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form)

Received by ACAD Senate Forwarded to Teacher Ed Council	Date <u>4/3/03</u>	Approved _____ Disapproved _____ Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date _____
Forwarded to Gen Ed Committee	_____	Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date _____
Returned to ACAD Senate Forwarded to Curriculum Committee	Date <u>4/3/03</u>	Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date <u>4/15/03</u>
Returned to ACAD Senate for Vote	Date <u>4/16/03</u>	Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date <u>4/22/03</u>
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	Date <u>4/23/03</u> <u>4/29/03</u>	Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date <u>4/29/03</u>
Forwarded to Provost for Approval/Disapproval	Date <u>MAY 16 2003</u>	Signature _____ Date _____ Approved _____ Disapproved _____ Signature <u>Roger Barber</u> Date <u>5/18/03</u>
Forwarded to Chancellor for Approval/Disapproval	Date <u>MAY 19 2003</u>	Signature _____ Date _____ Approved _____ Disapproved _____ Signature _____ Date <u>5/20/03</u>
Copies sent to originating college and registrar's office	Date <u>MAY 20 2003</u>	

PROGRAM/DEGREE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 1-Mar-03

Submitter [Signature] Chair/Dean [Signature] Date 4-2-03
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s).
 Course names changed... no requirements have changed.
 Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE Bachelor of Arts Degree Major in Computer Information Systems

OLD PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
BUS	250	Business Statistics	3	
CIS	111	Integrated Business Applications	3	
CIS	112	Computer Systems Introduction	3	
CIS	115	Introduction to Programming		3
CIS	155	Programming Level I	3	
CIS	171	Database Level I		3
CIS	255	Programming II		3
CIS	270	Systems Analysis and Design	3	
CIS	271	Software Engineering		3
CIS	285	Spreadsheet	3	
CIS	300	Operating Systems Introduction		3
CIS	325	Information Resource Management		3
CIS	355	Programming III	3	
CIS	360	Bus Telecommunications & Networking	3	
CIS	371	Database Level II	3	
CIS	410	Enterprise Resource Planning		3
CIS	455	E-commerce Programming		3
CIS	471	Information Systems Engineering		3
DRFT	156	Introduction to CAD		3
EET	305	Digital Systems	3	
EET	450	Advanced Digital Systems	3	
		Electives		30
		Distribution/Gen Ed		27
				120

Total Credits

NEW PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
BUS	250	Business Statistics	3	
CIS	111	Integrated Business Applications	3	
CIS	112	Web Site Development	3	
CIS	115	Visual Basic Programming		3
CIS	155	Java Programming	3	
CIS	171	Desktop/Small Business Databases using MS Access		3
CIS	255	Advanced Java Programming		3
CIS	270	Systems Analysis and Design	3	
CIS	271	Software Engineering		3
CIS	285	Spreadsheet	3	
CIS	300	Operating Systems Introduction		3
CIS	325	Information Resource Management		3
CIS	355	Data Structures	3	
CIS	360	Bus Telecommunications & Networking	3	
CIS	371	Enterprise Databases using Oracle	3	
CIS	410	Enterprise Resource Planning		3
CIS	455	E-commerce Programming		3
CIS	471	Information Systems Engineering		3
DRFT	156	Introduction to CAD		3
EET	305	Digital Systems	3	
EET	450	Advanced Digital Systems	3	
		Electives		30
		Distribution/Gen Ed		27
				120

Total Credits

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

PROGRAM/DEGREE REVISION FORM

 NEW

 DROPPED

 MAJOR REVISION

 FOR INFORMATION ONLY

 College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

 Submitter [Signature]

Signature

 Chair/Dean [Signature]

Signature (indicates "college" level approval)

 Date 4.2.03

Please provide a brief explanation & rationale for the proposed revision(s). Name changes to courses... Also, add CIS 112 into associate to maintain 2 + 2. Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE Associate of Applied Science Degree Major in Computer Information Systems

OLD PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
BUS	250	Business Statistics	3	
CIS	111	Integrated Business Applications	3	
CIS	115	Introduction to Programming		3
CIS	155	Programming Level I	3	
CIS	171	Databasc Level I		3
CIS	255	Programming II		3
CIS	270	Systems Analysis and Design	3	
CIS	271	Software Engineering		3
CIS	285	Spreadsheet	3	
DRFT	156	Introduction to CAD		3
		Electives		11
		Distribution/Gen Ed		19
				60

Total Credits

NEW PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
BUS	250	Business Statistics	3	
CIS	111	Integrated Business Applications	3	
CIS	112	Web Site Development	3	
CIS	115	Visual Basic Programming		3
CIS	155	Java Programming	3	
CIS	171	Desktop/Small Business Databases using MS Access		3
CIS	255	Advanced Java Programming		3
CIS	270	Systems Analysis and Design	3	
CIS	271	Software Engineering		3
CIS	285	Spreadsheet	3	
DRFT	156	Introduction to CAD		3
		Electives		8
		Distribution/Gen Ed		19
				60

Total Credits

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

PROGRAM/DEGREE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 1-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s).

Course names changed... no requirements have changed.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells:

PROPOSAL TITLE Minor in Computer Information Systems

OLD PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
CIS	115	Introduction to Programming		3
CIS	155	Programming Level I	3	
CIS	171	Database Level I		3
CIS	255	Programming II		3
CIS	285	Spreadsheet	3	
CIS	325	Information Resource Management		3
CIS	360	Bus Telecommunications & Networking	3	
CIS	410	Enterprise Resource Planning		3
		Choose six(6) credits from the following:		
CIS	455	E-commerce Programming		3
CIS	300	Operating Systems Introduction		3
CIS	371	Database Level II	3	
CIS	355	Programming III	3	
				30

Total Credits

NEW PROGRAM

Course Prefix	#	Course Title	Credits	
			Fall	Spr.
CIS	115	Visual Basic Programming		3
CIS	155	Java Programming	3	
CIS	171	Desktop/Small Business Databases using MS Access		3
CIS	255	Advanced Java Programming		3
CIS	285	Spreadsheet	3	
CIS	325	Information Resource Management		3
CIS	360	Bus Telecommunications & Networking	3	
CIS	410	Enterprise Resource Planning		3
		Choose six(6) credits from the following:		
CIS	455	E-commerce Programming		3
CIS	300	Operating Systems Introduction		3
CIS	371	Enterprise Databases using Oracle	3	
CIS	355	Data Structures	3	
				30


Total Credits

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change requirements from 3 lecture hours to 2 lecture and 1 lab. List the course in the catalog as requiring a lab. This is currently how the course is scheduled.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 110

Course Title: Introduction to Computers
Credits: 3

Required by:

Selective in:

Elective in:

General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites):

A literacy based approach is used to survey the computer and the computer industry. Topics covered include: Microcomputer applications, input, processor, output, auxiliary storage, file and database management, communications, information system life cycle, program development and systems software, and trends, issues and career opportunities in the computer industry. An opportunity for hands-on work with standard software packages including word processors, electronic spreadsheets, database systems, and graphics packages is presented in lab sections.

Proposed or New Catalog Description (include all prerequisites):

NO CHANGE

Course Outcome Objectives:

NO CHANGE


Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):

Change the title to Web Site Development... Content changes only slightly in that Programming concepts are removed. This will make the course more appropriate for other program areas that want students to create and maintain web pages to utilize CIS 112 as the Basic Skills requirement.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 112

Course Title: Web Site Development
Credits: 3

Required by: Computer Information Systems AS, BS

Selective in:

Elective in:

General Education: Basic Skills, Area C

Lecture:

Lecture/Lab:

Contact hours lecture: 2

Contact hours lab: 2

Current Catalog Description (include all prerequisites):

This class covers essential skills for students entering the CIS program. Topics covered include: web page construction, photo editing, file transfer protocol (FTP), telnet, Unix, NT, diagramming tools such as b-liner and visible analyst Command prompt interface, batch file and scripts, directory structures ~~will be included~~.

Proposed or New Catalog Description (include all prerequisites):

This class covers essential Internet Web Site skills for students. Topics covered include: web page construction, Photo editing, and file transfer protocol (FTP). Students will create a working Web site. Prerequisite: Basic Computer Skills

Course Outcome Objectives:

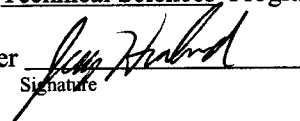
Concentrate on Web Site development and remove the Programming and OS topics.

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change the title to Visual Basic Programming. This will better convey the content of the course.
Add lab section to course. Remove the CIS 110.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 115

Course Title: Visual Basic Programming
Credits: 3

Required by: Computer Information Systems, Computer Engineering
Technology

Selective in:

Elective in:

General Education: Basic Skills, Area C

Lecture:

Lecture/Lab:

Contact hours lecture: 2

Contact hours lab: 2

Current Catalog Description (include all prerequisites): *THIS COURSE IS*

An introduction to computer programming and problem solving techniques. ^{It}Stresses modularity and structured techniques. Structured program design using design tools is heavily stressed. Programming structures including looping, sequence, and decision are thoroughly examined. Students will be exposed to the BASIC programming language with an overview of the language and specific implementation examples.
Prerequisite or co-requisite: CIS 110 or equivalent competencies.

Proposed or New Catalog Description (include all prerequisites):

-no change on description-
Prerequisite: Basic Computer Skills

Course Outcome Objectives:

NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter *Jim Hubbard* Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change the title to Java Programming. This will better convey the content of the course. Add lab section to course. Remove the CIS 110 and CIS 115 prerequisites.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 155

Course Title: Java Programming
Credits: 3

Required by: Computer Information Systems AS BS, Computer Engineering Technology

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites): *This course focuses on* intermediate computer program design and development using structured techniques, *includes* small project development, *stresses* modularity, program design, implementation, and testing. Object oriented programming/object oriented design (OOP/OOD) techniques will be utilized. Prerequisites: CIS 110 or equivalent competencies and CIS 115.

Proposed or New Catalog Description (include all prerequisites):
-no change-

Prerequisite: Basic Computer Skills


Course Outcome Objectives:
NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.
NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change the title to Desktop/Small Business Databases using MS Access. This will better convey the content of the course. Add lab section to course. Remove the CIS 110 prerequisite.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 171

Course Title: Desktop/Small Business Databases using MS Access
Credits: 3

Required by: Computer Information Systems AS BS, Design Drafting, Civil Engineering Technology

Selective in:

Elective in:

General Education: Basic Skills, Area C

Lecture:

Lecture/Lab:

Contact hours lecture: 2

Contact hours lab: 2

Current Catalog Description (include all prerequisites):

Fundamental concepts of computerized database management and database design, with emphasis on the relational model. Includes hands-on experience with a representative DBMS product. Prerequisite: CIS 110 or equivalent competencies

Proposed or New Catalog Description (include all prerequisites): *This course addresses the*
~~Fundamental~~ concepts of computerized database management and database design, with emphasis on the relational model. ~~It~~ Includes hands-on experience using MS Access in creating databases, forms, reports, and queries. Prerequisite: Basic Computer Skills

Course Outcome Objectives:

NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter *[Signature]* Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change the title to Advanced Java Programming. This will better convey the content of the course. NOTE: CIS 255 and CIS 355 content were exchanged.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 255

Course Title: Advanced Java Programming
Credits: 3

Required by: Computer Information Systems AS BS

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 3
Contact hours lab: 0

Current Catalog Description (include all prerequisites):
Advanced programming techniques. Emphasis on functions, pointers, arrays, user defined data structures, and ADTs. A survey of fundamental data structures. Covers pointers, arrays, user defined data structures, abstract data types, time-space complexity, algorithm proofs, program testing, and operating system interactions. Computability and intractable problems are discussed. Object oriented programming and object oriented design techniques will be utilized. Prerequisites: CIS 110 or equivalent competencies, CIS 115, and CIS 155.

Proposed or New Catalog Description (include all prerequisites): *THIS COURSE IS AN*
Advanced object oriented programming and application development using Java. *COURSE* Continuation of CIS 155, Programming I. This course will expand the student's knowledge of object oriented programming to include graphical user interface development, utilizing programming language libraries. Advanced computer programming topics including arrays and mathematical topics including matrix multiplication and basic trigonometric functions used in graphics programming will be covered. Prerequisites: CIS 155

Course Outcome Objectives:
NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter *Jim Reuland* Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Add lab section to course.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 270

Course Title: Systems Analysis and Design
Credits: 3

Required by: Computer Information Systems AS BS

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites): *This is a*
Study of the systematic analysis and design of computer software using case tools, data flow analysis, ~~and~~ culminating in a complete system design. Prerequisites: CIS 110 or equivalent competencies, CIS 171.

Proposed or New Catalog Description (include all prerequisites):
No Change


Course Outcome Objectives:
NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.
NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Add lab section to course.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 271

Course Title: Software Engineering
Credits: 3

Required by: Computer Information Systems AS BS

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 1
Contact hours lab: 4

Current Catalog Description (include all prerequisites):

This course continues CIS 270. It entails program implementation, testing, debugging, and documentation of a complete system. It includes project management techniques such as ISO 9000 standards, Visual Basic, Access, ODBC connections and programming logic. Prerequisites: CIS 110 or higher, CIS 115, CIS 155, CIS 171, and CIS 270.

Proposed or New Catalog Description (include all prerequisites):

No Change

Course Outcome Objectives:

NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter *[Signature]* Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change the title to Data Structures. This will better convey the content of the course. NOTE:
CIS 255 and CIS 355 content were exchanged.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 355

Course Title: Data Structures
Credits: 3

Required by: Computer Information Systems BS

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 3
Contact hours lab: 0

Current Catalog Description (include all prerequisites):

Advanced computer programming topics which include graphics, animation, graphic primitives, data structure, current languages (for example, Java), current technologies (for example MFC/ActiveX), and current paradigms (for example 2 Tier/ 3 Tier/ n Tier). Topics also include Geographical Information systems and spacial data manipulation such as implemented in Oracle 8. Prerequisite: CIS 115, CIS 155, CIS 255.

Proposed or New Catalog Description (include all prerequisites):

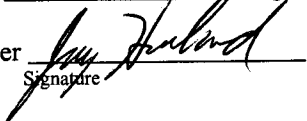
This is a new course as it
~~Advanced programming techniques, emphasis on functions, pointers, arrays, user defined data structures, and ADTs. A survey of fundamental data structures. Covers pointers, arrays, user defined data structures, abstract data types, time-space complexity, algorithm proofs, program testing, and operating system interactions. Computability and intractable problems are discussed. Object oriented programming and object oriented design techniques will be utilized.~~
Prerequisites: CIS 155.

Course Outcome Objectives:
NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):

Change title to: Enterprise Databases using Oracle to better reflect the course content. Add a lab section to course.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 371

Course Title: Enterprise Databases using Oracle
Credits: 3

Required by: Computer Information Systems BS

Selective in:

Elective in:

General Education: Basic Skills, Area C

Lecture:

Lecture/Lab:

Contact hours lecture: 2

Contact hours lab: 2

Current Catalog Description (include all prerequisites):

Analysis, design, implementation, and testing of database oriented projects. Covers advanced database concepts including relational databases, client-server databases, distributed databases, and object oriented databases. Prerequisites: CIS 110 or equivalent competencies, CIS 115, and CIS 171.

Proposed or New Catalog Description (include all prerequisites): *IN THIS COURSE, THE* Oracle database server will be used for application creation including analysis, design, implementation, and testing of large scale, enterprise database oriented projects. *IT* covers advanced database concepts including relational databases, client-server applications and Oracle Database Administration. Prerequisites: CIS 115 and CIS 171.

Course Outcome Objectives:

NO CHANGE

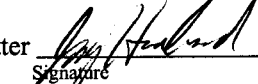
Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NO CHANGE

COURSE REVISION FORM

NEW DROPPED MAJOR REVISION FOR INFORMATION ONLY

College Technical Sciences Program Area Computer Information Systems Date 2-Mar-03

Submitter  Chair/Dean _____ Date _____
Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Change prerequisites to this course so it is easier for non-majors to work into their plan.

Please provide the following information:

College: Technical Sciences
Program Area: Computer Information Systems
Date: 2-Mar-03
Course Prefix & No.: CIS 455

Course Title: ECommerce Programming
Credits: 3

Required by: Computer Information Systems BS

Selective in:
Elective in:
General Education: Basic Skills, Area C

Lecture:
Lecture/Lab:
Contact hours lecture: 2
Contact hours lab: 2

Current Catalog Description (include all prerequisites): *THIS COURSE @ APPLIES*
WWW and Internet presentation and programming techniques for providing quality information content on Internet and in-house networks, ^{includes} dynamic information generation and dissemination through the use of interactive database links, client-server connections, and distributed software architectures. Prerequisites: CIS 110 or equivalent competencies, CIS 115, CIS 155, CIS 171 and CIS 371.

Proposed or New Catalog Description (include all prerequisites):
-no change-

Prerequisite: CIS 112, CIS 155 and CIS 171

Course Outcome Objectives:
NO CHANGE

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.
NO CHANGE