

Spring 2014 Schedule of Classes

Dept	Section	Time	Days	Instructor	Bldg	Rm
COMPUTER SCIENCE						
CS 1000	Computing Skills and Concepts - 3 hrs. Introduction to operation, applications, implications of computers, microcomputers, and network communications. Develops skill in current applications and sensitizes students to societal issues related to computing.					
	01	3:30-4:45	TR	Barr	ITT	28
CS 1020	Microcomputer Systems – 3 hrs. Prerequisite(s): CS 1010 or any one-semester programming course. This course is part of the Computer Applications certificate					
	01	12:30-1:45	TR	Jacobson	ITT	136
CS 1025	Computational Modeling and Simulation - 3 hrs. Explores computational approaches to solving complex problems using computational tools and dynamic and discrete simulations. Topics include problem representation, modeling, simulation, and model/simulation validation, with applications in the sciences, social sciences, and business.					
	01	8:00-9:15	TR	Jacobson	ITT	134
CS 1059	Programming Environments for Elementary Education – 3 hrs. Undergraduate Enrollment Requirement(s): Level One Field Experience					
	01	12:00-12:50	MWF	Schafer	ITT	322
CS 1120	Media Computation – 3 hrs. The final exam for this course is scheduled for Monday, May 5 th from 7:00-9:00 PM in ITTC 322. You are required to be physically present for the final exam unless alternate arrangements are made with the professor prior to the second week of classes.					
	01	On-line only		Schafer		
CS 1130	Visual BASIC Programming - 3 hrs. Programming using the language Visual BASIC. Broad coverage of language syntax, programming practice, and programming problems appropriate to the novice or end-use programmer using a personal computer.					
	01	2:00-3:15	TR	East	ITT	322
CS 1160	C/C++ Programming - 3 hrs. Programming using the C and C++ languages including the object-oriented paradigm. Broad coverage of language syntax and programming practice. Appropriate for developers of general computing applications and systems. Course presumes no prior programming experience.					
	01	12:30-1:45	TR	Fienup	ITT	322
CS 1410	Computer Organization - 3 hrs. Study of computers in terms of their major functional units. Machine representations of data, digital logic, memory, CPUs, buses, and input/output. Instruction set architectures and their implementations, addressing methods, and sequencing. Assembly language programming. Prerequisite(s) or corequisite(s): 810:051 (CS 1510).					
	01	8:00-9:15	TR	Fienup	ITT	322
	02	12:30-1:45	TR	Poleksic	ITT	328
CS 1510	Introduction to Computing - 4 hrs. Introduction to software development through algorithmic problem solving and procedural abstraction. Programming in the small. Fundamental control structures, data modeling, and file processing. Significant emphasis on program design and style.					
	01	11:00-11:50	MWF	Diesburg	ITT	328
		+ 10:00-11:50	T lab		WRT	112
CS 1520	Data Structures - 4 hrs. Introduction to use and implementation of data and file structures such as sets, hash tables, trees, queues, heaps and graphs. Basic algorithm analysis. Searching and sorting. Basic object-oriented analysis, design, and modeling tools. Prerequisite(s): 810:051 (CS 1510). Prerequisite(s) or corequisite(s): 810:080 (CS 1800).					
	01	11:00-11:50	MWF	McCormick	ITT	322
		+ 10:00-11:50	R lab		WRT	112
	02	11:00-12:15	TR	Fienup	ITT	322
		+ 10:00-11:50	W lab		WRT	112
CS 1800	Discrete Structures - 3 hrs. Introduction to logical forms, arguments, predicates, and quantified statements; methods of proof; elementary number theory; counting; sequences; sets; functions; relations; graphs; and Boolean algebra in the context of computer science. Prerequisite(s): 810:030 (CS 1130), 810:036 (CS 1160), or 810:051 (CS 1510).					
	01	3:30-4:45	TR	Poleksic	ITT	328
CS 2100	Web Development: Server-Side Coding – 3 hrs. Undergraduate Enrollment Requirement(s): 810:017 (CS 1100), or consent of instructor.					
	01	9:30-10:45	TR	East	ITT	322

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CS 2530	Intermediate Computing - 3 hrs.					
	Intermediate software development in an object-oriented environment. Further experience with object-oriented analysis and design, including modeling languages. Focus on software reuse through frameworks and patterns and on software development methodology and tools. Prerequisite(s): 810:052 (CS 1520); 810:080 (CS 1800).					
	01	12:00-12:50	MWF	Holmes	ITT	328
CS 2720	Software Engineering – 3 hrs.					
	Study of software life cycle models and their phases-planning, requirements, specifications, design, implementation, testing, and maintenance. Emphasis on tools, documentation, and applications. Prerequisite(s): 810:052 (CS 1520); 810:080 (CS 1800).					
	01	1:00-1:50	MWF	McCormick	ITT	322
CS 2880	Topics in Computing: Visual Effects, Animation & Motion Graphics - 3 hrs.					
	No experience required. May be repeated on a different topic.					
	12	12:00-12:50	MWF	Jacobson	ITT	134
CS 3150 / 5150	Information Storage & Retrieval – 3 hrs.					
	Prerequisite(s): 810:052 (CS 1520); 810:080 (CS 1800); junior standing.					
	01	2:00-3:15	TR	Gray	ITT	328
CS 3430 / 5430	Operating Systems – 3 hrs.					
	Prerequisite(s): 810:041 (CS1410); 810:052 (CS 1520); 810:080 (CS 1800); junior standing.					
	01	2:00-2:50	MWF	Diesburg	ITT	328
	02	11:00-12:15	TR	Gray	ITT	328
CS 3530	Design & Analysis Algorithms – 3 hrs.					
	Prerequisite(s): 810:052 (CS 1520); 810:080 (CS 1800).					
	01	12:30-1:45	TR	Wallingford	WRT	7
CS 4620 / 5620	Intelligent Systems – 3 hrs.					
	Prerequisite(s): 810:161 (CS 3610); 810:053 (CS 2530); junior standing.					
	01	10:00-10:50	MWF	Schafer	ITT	322
CS 4740 / 5740	Real-time Embedded Systems – 3 hrs.					
	Prerequisite(s): 810:172 (CS 2720); 810:053 (CS 2530); junior standing.					
	01	9:00-9:50	MWF	McCormick	ITT	322
		+ 8:00-9:50	T lab	McCormick	WRT	120
	02	9:00-9:50	MWF	McCormick	ITT	322
		+ 10:00-11:50	T lab	McCormick	WRT	120
CAP 3140	Environment, Technology & Society – 2 hrs.					
	This section focuses on today's digital technology-saturated environment and its impact on society, discussing legal, ethical and social issues.					
	—	3:30-5:20	T	East	ITT	322
CAP 3140	Environment, Technology & Society – 2 hrs.					
	This section focuses on today's digital technology-saturated environment and its impact on society, discussing legal, ethical and social issues.					
	—	3:00-4:50	W	East	ITT	322
CAP 3140	Environment, Technology, & Society – 2 hrs.					
	This section focuses on today's digital technology-saturated environment and its impact on society, discussing legal, ethical and social issues.					
	—	3:30-5:20	R	East	ITT	322