

Q2S Binder for Electrical Engineering and Computer Science, School of

General Info

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Department/School Info

College: ENT(null)

Department: EECS(Electrical Engineering and Computer Science, School of)

Mission: Provide outstanding undergraduate and graduate educational programs to students in electrical engineering, computer science, and computer engineering.

Contribute significantly to the discovery of new knowledge and methods that enhance the theory and practice of electrical engineering, computer science, and computer engineering.

Provide service to the community, Ohio University, and the Russ College of Engineering and Technology via programmatic offerings, governance, and outreach programs.

Provide leadership and expertise for the enhancement of economic conditions in Southeastern Ohio.

Programs

Moving to Semesters	Code	Name	Degree	Status	Level
Yes	BS7260	COMPUTER SCIENCE	BACHELOR OF SCIENCE IN COMPUTER SCIENCE	REVIEW	UCC
Yes	BS1929	COMPUTER SCIENCE	BACHELOR OF SCIENCE IN COMPUTER SCIENCE	REVIEW	UCC
Yes	BS7254	EL. ENG. W/ COMPUTER ENG. TRK	BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING	REVIEW	UCC
Yes	BS7253	ELECTRICAL ENGINEERING	BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING	REVIEW	UCC
Yes	OR7260	COMPUTER SCIENCE MINOR	COMPUTER SCIENCE MINOR	REVIEW	UCC
Yes	MS7260	COMPUTER SCIENCE	MASTER OF SCIENCE IN COMPUTER SCIENCE	REVIEW	UCC
Yes	MS7253	ELECTRICAL ENGINEERING	MASTER OF SCIENCE	REVIEW	UCC
Yes	PH7267	ELECT ENGR & COMPUTER SCIENCE	DOCTOR OF PHILOSOPHY	REVIEW	UCC
Yes	SCEECS	EECS Shared Components	EECS Shared Components	REVIEW	UCC

Courses

Course ID	Name	Course Type	Doc. Type	Doc. Status	Review Level
CS 2300	PROGRAMMING in JAVA	TIER2	EXPEDITED	REVIEW	UCC
CS 2400	INTRO TO COMP SCI I		COMPOSITE	REVIEW	UCC
CS 2401	INTRO TO COMP SCI II		COMPOSITE	REVIEW	UCC
CS 2650	PROF & ETHICAL COMPUTING		EXPEDITED	REVIEW	UCC
CS 2970T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 2971T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 2980T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 2981T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 3000	INTRO DISCRETE STRUCTURES		EXPEDITED	REVIEW	UCC
CS 3200	ORG-PROG LANGUAGES		EXPEDITED	REVIEW	UCC
CS 3560	Soft. Eng. Tools and Practice	UNDERGRAD	SEMESTER	REVIEW	UCC
CS 3610	DATA STRUCTURES		EXPEDITED	REVIEW	UCC
CS 3970T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 3980T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 4000	Dist., Parallel, and Web Comp.	UNDERGRAD	SEMESTER	REVIEW	UCC
CS 4040	DES & ANALYSIS OF ALGORITHMS		EXPEDITED	REVIEW	UCC
CS 4060	COMPUTATION THEORY		EXPEDITED	REVIEW	UCC
CS 4100	Languages and Compilers		EXPEDITED	REVIEW	UCC
CS 4120	PARALLEL COMPUTING I		EXPEDITED	REVIEW	UCC
CS 4160	BIOINFORMATICS TOOLS		EXPEDITED	REVIEW	UCC
CS 4170	PROGRAMMING FOR BIOINF		EXPEDITED	REVIEW	UCC
CS 4180	STATS FOR BIOINFORMATICS		EXPEDITED	REVIEW	UCC
CS 4250	INT COMPUTER GRAPHICS		EXPEDITED	REVIEW	UCC

CS 4420	OPERATING SYSTEMS		EXPEDITED	REVIEW	UCC
CS 4440	DATA COMMUNICATIONS		EXPEDITED	REVIEW	UCC
CS 4500	ADV OOD & GUI TECHNIQUES		EXPEDITED	REVIEW	UCC
CS 4560	SOFTWARE DES & DEV I	TIER3	EXPEDITED	REVIEW	UCC
CS 4561	Software Design and Dev II	UNDERGRAD	SEMESTER	REVIEW	UCC
CS 4580	OPERATING SYSTEMS II		EXPEDITED	REVIEW	UCC
CS 4620	DATABASE SYSTEMS		EXPEDITED	REVIEW	UCC
CS 4750	INTERNET ENGINEERING		SEMESTER	REVIEW	UCC
CS 4800	ARTIFICIAL INTELLIGENCE		EXPEDITED	REVIEW	UCC
CS 4900	SPECIAL PROBLEMS		EXPEDITED	REVIEW	UCC
CS 4970T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 4980T	COMPUTER SCIENCE TUTORIAL		EXPEDITED	REVIEW	UCC
CS 5000D	INTRO DISCRETE STRUCTURES	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5040	DES & ANALYSIS OF ALGORITHMS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5060	COMPUTATION THEORY	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5100	Languages and Compilers	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5120	PARALLEL COMPUTING I	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5160	BIOINFORMATICS TOOLS		EXPEDITED	REVIEW	UCC
CS 5180	STATS FOR BIOINFORMATICS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5200D	ORG-PROG LANGUAGES	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5420	OPERATING SYSTEMS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5440	DATA COMMUNICATIONS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5500	ADV OOD & GUI TECHNIQUES	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5560	SOFTWARE DES & DEV I	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5580	OPERATING SYSTEMS II	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5610D	DATA STRUCTURES	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5620	DATABASE SYSTEMS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5750	INTERNET ENGINEERING	GRADUATE	SEMESTER	REVIEW	UCC
CS 5800	ARTIFICIAL INTELLIGENCE	GRADUATE	EXPEDITED	REVIEW	UCC
CS 5900	SPECIAL PROBLEMS	GRADUATE	EXPEDITED	REVIEW	UCC
CS 6040	ADVANCED ALGORITHMS		EXPEDITED	REVIEW	UCC
CS 6050	PARALLEL COMPUT THEORY		EXPEDITED	REVIEW	UCC
CS 6060	COMPUTATIONAL COMPLEXITY		EXPEDITED	REVIEW	UCC
CS 6120	REAL TIME SYSTEMS		EXPEDITED	REVIEW	UCC
CS 6150	BIOINFORMATICS SEMINAR		EXPEDITED	REVIEW	UCC
CS 6250	COMP GRAPHICS VISUALIZE		EXPEDITED	REVIEW	UCC
CS 6410	MEDICAL IMAGE ANALYSIS		EXPEDITED	REVIEW	UCC
CS 6420	AI IN MEDICINE		EXPEDITED	REVIEW	UCC
CS 6440	ADV TOPICS COMPT NETWORK		EXPEDITED	REVIEW	UCC
CS 6571	SOFTWARE SPECIFICATION		EXPEDITED	REVIEW	UCC
CS 6572	SOFTWARE DESIGN		EXPEDITED	REVIEW	UCC
CS 6573	SOFTWARE IMPLEMENTATION		EXPEDITED	REVIEW	UCC
CS 6800	ADV ARTIFICIAL INTEL		EXPEDITED	REVIEW	UCC
CS 6820	AI: CASE-BASED REASONING		EXPEDITED	REVIEW	UCC
CS 6850	IMAGE UNDERSTANDING		EXPEDITED	REVIEW	UCC
CS 6900	SELECTED TOPICS		EXPEDITED	REVIEW	UCC
CS 6910	GRAD INTERNSHIP IN CS		EXPEDITED	REVIEW	UCC
CS 6930	INDEPENDENT STUDY		EXPEDITED	REVIEW	UCC
CS 6940	RESEARCH IN COMP SCI		EXPEDITED	REVIEW	UCC
CS 6950	THESIS		EXPEDITED	REVIEW	UCC
CS 6980	GRADUATE RESEARCH SEMINAR		SEMESTER	REVIEW	UCC
EE 1014	INTRO TO EE	TIER2	EXPEDITED	REVIEW	UCC
EE 1024	INTRO TO CpE		EXPEDITED	REVIEW	UCC
EE 2104	CIRCUITS I		COMPOSITE	REVIEW	UCC
EE 2114	CIRCUITS II		COMPOSITE	REVIEW	UCC
EE 2213	INSTRUMENTATION LAB		EXPEDITED	REVIEW	UCC
EE 2324	ANALYTICAL FOUND OF EE		EXPEDITED	REVIEW	UCC
EE 3051	BASIC EE LAB		EXPEDITED	REVIEW	UCC
EE 3143	BASIC E E II		EXPEDITED	REVIEW	UCC
EE 3214	ELECTROMAGNETICS MAT I		COMPOSITE	REVIEW	UCC
EE 3223	ELECTROMAGNETICS MAT II		COMPOSITE	REVIEW	UCC
EE 3334	LINEAR SIGNALS AND SYSTEMS		COMPOSITE	REVIEW	UCC
EE 3343	ELECTRONICS I		COMPOSITE	REVIEW	UCC
EE 3513	Digital Signals and Systems		COMPOSITE	REVIEW	UCC
EE 3613	COMPUTER ORGANIZATION		EXPEDITED	REVIEW	UCC

EE 3713	PROBABILITY STAT FOR EE		EXPEDITED	REVIEW	UCC
EE 3753	INTRO TO COMPUTER NETWORKS		SEMESTER	REVIEW	UCC
EE 3954	MICROPROC/MICROCONTROLLERS		COMPOSITE	REVIEW	UCC
EE 3963	ELECTRIC MACHINES		COMPOSITE	REVIEW	UCC
EE 3973	ELECTRONICS II		COMPOSITE	REVIEW	UCC
EE 4053	PHYSICAL & POWER ELECTRONICS		COMPOSITE	REVIEW	UCC
EE 4143	Design of Digital Circuits		COMPOSITE	REVIEW	UCC
EE 4183	MICRO/NANO FABRICATION		COMPOSITE	REVIEW	UCC
EE 4213	FEEDBACK CONTROL THEORY		COMPOSITE	REVIEW	UCC
EE 4313	OPTOELECTRONICS AND PHOTONICS		COMPOSITE	REVIEW	UCC
EE 4323	Solar Cell and Photovoltaics	UNDERGRAD	SEMESTER	REVIEW	UCC
EE 4403	MICROWAVE THEORY DEVICES		COMPOSITE	REVIEW	UCC
EE 4523	INTRO ELECT POWER SYS		COMPOSITE	REVIEW	UCC
EE 4673	EMBEDDED SYSTEMS		SEMESTER	REVIEW	UCC
EE 4683	COMPUTER ARCHITECTURE		SEMESTER	REVIEW	UCC
EE 4713	COMMUNICATION ENGR		COMPOSITE	REVIEW	UCC
EE 4853	ELECTRONIC NAVIGATION SYSTEMS		COMPOSITE	REVIEW	UCC
EE 4900	SELECTED TOPICS E E		EXPEDITED	REVIEW	UCC
EE 4913	PLC	UNDERGRAD	SEMESTER	REVIEW	UCC
EE 4953	ECE CAPSTONE DESIGN I		COMPOSITE	REVIEW	UCC
EE 4963	ECE CAPSTONE DESIGN II	TIER3	COMPOSITE	REVIEW	UCC
EE 5053	PHYSICAL & POWER ELECTRONICS	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5143	Design of Digital Circuits	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5183	MICRO/NANO FABRICATION	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5213	FEEDBACK CONTROL THEORY	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5313	OPTOELECTRONICS AND PHOTONICS	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5403	MICROWAVE THEORY DEVICES	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5523	INTRO ELECT POWER SYS	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5673	EMBEDDED SYSTEMS	GRADUATE	SEMESTER	REVIEW	UCC
EE 5683	COMPUTER ARCHITECTURE	GRADUATE	SEMESTER	REVIEW	UCC
EE 5713	COMMUNICATION ENGR	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5853	ELECTRONIC NAVIGATION SYSTEMS	GRADUATE	COMPOSITE	REVIEW	UCC
EE 5900	SELECTED TOPICS E E	GRADUATE	EXPEDITED	REVIEW	UCC
EE 6013	Emag Wave Prop in ENav Sys	GRADUATE	SEMESTER	REVIEW	UCC
EE 6023	Radar Systems	GRADUATE	SEMESTER	REVIEW	UCC
EE 6033	INERTIAL NAV SYS		COMPOSITE	REVIEW	UCC
EE 6053	Sat-Based Nav Sys	GRADUATE	SEMESTER	REVIEW	UCC
EE 6063	Integrated Nav Sys	GRADUATE	SEMESTER	REVIEW	UCC
EE 6073	Nav Rx Design	GRADUATE	SEMESTER	REVIEW	UCC
EE 6083	Aviation Stds SW Des Cert	GRADUATE	SEMESTER	REVIEW	UCC
EE 6103	Aerospace Controls	GRADUATE	SEMESTER	REVIEW	UCC
EE 6133	Hi Acc Sat Nav	GRADUATE	SEMESTER	REVIEW	UCC
EE 6153	VLSI SYSTEM DESIGN		EXPEDITED	REVIEW	UCC
EE 6163	Comp Aid Analysis Electron Net	GRADUATE	SEMESTER	REVIEW	UCC
EE 6173	TESTABLE DESIGN		EXPEDITED	REVIEW	UCC
EE 6183	Nanodevices	GRADUATE	SEMESTER	REVIEW	UCC
EE 6233	Nonlinear System Analysis I	GRADUATE	SEMESTER	REVIEW	UCC
EE 6323	Integrated Optics	GRADUATE	SEMESTER	REVIEW	UCC
EE 6333	Int Photonics	GRADUATE	SEMESTER	REVIEW	UCC
EE 6343	MODERN OPT. MATER. DEV.	GRADUATE	SEMESTER	REVIEW	UCC
EE 6413	Adv Ant Theory	GRADUATE	SEMESTER	REVIEW	UCC
EE 6473	Comp Methods Emag	GRADUATE	SEMESTER	REVIEW	UCC
EE 6523	DSGN CNTROL MANF SYS		COMPOSITE	REVIEW	UCC
EE 6633	Arch Parallel Comp	GRADUATE	SEMESTER	REVIEW	UCC
EE 6643	Digital Imag Proc	GRADUATE	SEMESTER	REVIEW	UCC
EE 6653	Computer Vision	GRADUATE	SEMESTER	REVIEW	UCC
EE 6663	Pattern Recognition	GRADUATE	SEMESTER	REVIEW	UCC
EE 6673	Interconn Net Hi Perf Comp	GRADUATE	SEMESTER	REVIEW	UCC
EE 6713	Digital Signal Processing	GRADUATE	SEMESTER	REVIEW	UCC
EE 6723	DIG COMM		COMPOSITE	REVIEW	UCC
EE 6733	ADV SIGNAL PROC		COMPOSITE	REVIEW	UCC
EE 6743	Information Theory	GRADUATE	SEMESTER	REVIEW	UCC
EE 6863	ADVANCED ELEC NAVIGATION SYS	GRADUATE	SEMESTER	REVIEW	UCC
EE 6900	SELECTED TOPICS		EXPEDITED	REVIEW	UCC
EE 6910	GRAD INTERNSHIP IN E E		EXPEDITED	REVIEW	UCC

EE 6930	INDEPENDENT STUDY		EXPEDITED	REVIEW	UCC
EE 6940	MS Research		EXPEDITED	REVIEW	UCC
EE 6943	MS PROJECT REPORT		EXPEDITED	REVIEW	UCC
EE 6950	THESIS		EXPEDITED	REVIEW	UCC
EE 6981	GRADUATE RESEARCH SEMINAR		EXPEDITED	REVIEW	UCC
EE 7123	Automata Theory	GRADUATE	SEMESTER	REVIEW	UCC
EE 7153	NEURAL NETWORKS DESIGN		EXPEDITED	REVIEW	UCC
EE 7183	Reinforcement Learning	GRADUATE	SEMESTER	REVIEW	UCC
EE 7213	Embodied Intelligence	GRADUATE	SEMESTER	REVIEW	UCC
EE 7233	Nonlinear System Analysis II	GRADUATE	SEMESTER	REVIEW	UCC
EE 7733	TF Analysis Wavelet SP	GRADUATE	SEMESTER	REVIEW	UCC
EE 7743	MOBILE COMMUNICATIONS		COMPOSITE	REVIEW	UCC
EE 7803	CDMA and Spread Spectrum	GRADUATE	SEMESTER	REVIEW	UCC
EE 7913	Adv Dig Control Sys	GRADUATE	SEMESTER	REVIEW	UCC
EE 7953	Adv Prob Stats for Comm	GRADUATE	SEMESTER	REVIEW	UCC
EE 7963	ADV STATE VAR METH CONT		EXPEDITED	REVIEW	UCC
EE 7973	LINEAR OPTIMAL CO		EXPEDITED	REVIEW	UCC
EE 8233	Nonlinear Control Sys Design	GRADUATE	SEMESTER	REVIEW	UCC
EE 8900	SP TOPICS ELECT ENG		EXPEDITED	REVIEW	UCC
EE 8940	DOCTORAL RESEARCH		EXPEDITED	REVIEW	UCC
EE 8950	DISSERTATION		EXPEDITED	REVIEW	UCC

Exceptions - Credit Analysis

Course ID	Name	Type	Credit Hours	Components	Doc. Status	Review Level	
CS 4900	SPECIAL PROBLEMS	EXPEDITED	1.0 - 4.0	LECTURE	3.0	REVIEW	UCC
CS 5900	SPECIAL PROBLEMS	EXPEDITED	1.0 - 4.0	LECTURE	3.0	REVIEW	UCC
CS 6900	SELECTED TOPICS	EXPEDITED	1.0 - 4.0	LECTURE	3.0	REVIEW	UCC
EE 6900	SELECTED TOPICS	EXPEDITED	1.0 - 3.0	LECTURE	3.0	REVIEW	UCC
EE 6930	INDEPENDENT STUDY	EXPEDITED	1.0 - 3.0	INDEPENDENT	3.0	REVIEW	UCC
EE 8940	DOCTORAL RESEARCH	EXPEDITED	1.0 - 9.0	RESEARCH	2.0	REVIEW	UCC
EE 8950	DISSERTATION	EXPEDITED	1.0 - 6.0	THESIS	2.0	REVIEW	UCC

Exceptions - Non Three Hour Lecture

The Ohio University Faculty Senate Resolution on the Number of Semester Hours per Course and Course Meeting Times for Quarters to Semesters (<http://www.ohio.edu/facultysenate/upload/CourseHourTimeResolutionfinal4-2009.doc>) resolved that, as a norm, undergraduate lecture courses on the Athens Campus shall be 3 semester hours and that exceptions to these norms will be allowed on the basis of pedagogical justification specific to a course or course sequence.

Three-hour courses are important for balancing student schedules, and three lecture hour per week blocks are important for classroom utilization. It is understood that there are special cases where the 3-lecture hour course norm does not apply, sometimes for categories of courses (recitals or band), sometimes for disciplinary standards, and sometimes for other reasons.

For the semester courses taught by your department that do not meet the 3 lecture hour norm, give a brief explanation of why the norm was not followed and/or what circumstances make these deviations from the norm not create a problem with classroom scheduling or student schedules. (Notes: Categories of courses can be addressed as a group rather than individually. If you are using a 'disciplinary standard' argument, please make comparisons to Ohio Schools on semesters or to Ohio University peer schools on semesters. If you are using a block scheduling approach, please list the courses that will be block scheduled and identify the semester(s) where the block scheduling applies.)

Reason: The following is a course-by-course justification of why the School of Electrical Engineering and Computer Science decided to deviate from the 3 lecture hour standard in the transition to semesters.

CS 2650 --- This course is a simple translation of the 3 hour quarter course CS 265A to semesters. The School decided against adding content to this course to make it a 3 hour semester course. Since this is only computer science course that covers the professional instead of technical aspects of computer science, it was not possible to rearrange the content of other courses to meet the standard. We expect this course to be taught later in the day to avoid class scheduling conflicts.

EE 4900 --- This is a special topics course that can be taken for a variable number of credit hours; however, we expect any given offering to be a fixed number of hours. Moreover, we expect that most offerings of this special topics course will conform to the standard. However, the flexibility to offer other configurations of the course was desirable.

EE 2213 --- Under quarters, the course meets for three hours of lecture with a two hour lab. The School of EECS decided against adding content to the course to meet the 3 hour rule.

EE 3223 --- This is a composite course. The course inherited a lab component from EE 395C and lecture hours coming from EE 322. The course was kept to a 3 hour course in order to prevent an expansion of credit requirements for EE students.

EE 3343 --- This is a composite course. It inherits lecture hours from EE 334 and lab hours from EE 395B. The course was kept to a 3 hour course in order to prevent an expansion of credit requirements for EE students.

EE 4953 --- This is a composite course. It inherits lecture and lab hours from EE 495A and B. The course was kept to a 3 hour course in order to prevent an expansion of credit requirements for EE students.

Course ID	Name	Type	Contact Hours	Doc. Status	Review Level
CS 2650	PROF & ETHICAL COMPUTING	EXPEDITED	2.0	REVIEW	UCC
EE 2213	INSTRUMENTATION LAB	EXPEDITED	2.0	REVIEW	UCC

EE 3223	ELECTROMAGNETICS MAT II	COMPOSITE	2.0	REVIEW	UCC
EE 3343	ELECTRONICS I	COMPOSITE	2.0	REVIEW	UCC
EE 4900	SELECTED TOPICS E E	EXPEDITED	1.0	REVIEW	UCC
EE 4953	ECE CAPSTONE DESIGN I	COMPOSITE	2.0	REVIEW	UCC