

Course Information	
Course title	Numerical Methods
Semester	102-2
Designated for	COLLEGE OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE GRADUATE INSTITUTE OF NETWORKING AND MULTIMEDIA
Instructor	CHIH-JEN LIN
Curriculum Number	CSIE5123
Curriculum Identity Number	922 U0280
Credits	3
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Tuesday 567
Remarks	The upper limit of the number of students: 50.
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning
Course Syllabus	
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Course Description	<p>Numerical methods are important for many practical engineering problems. It involve with mathematical modeling, algorithmic development, and efficient numerical computing. Some major topics of this course are as follows:</p> <ol style="list-style-type: none"> 1. Floating point operations 2. Basic Neurmical Methods 3. Numerical linear algebra 4. Performance tuning 5. Benchmarks 6. Parallel programming

	7. Java for numerical computing
Course Objective	
Course Requirement	
Office Hours	
References	
Designated reading	
Grading	