Boston University Dresden Program Electric Circuit Theory				
ENG EK 3	07		Summer 2017	
Prerequisite:	CAS PY 211 or CAS PY 251			
Lecturers:	Lectures: Dr. A. Mögel	Tuesday Thursday	9.20 – 10.50, TOE 315 9.20 – 10.50, HSZ E01	
	Seminar & Discussions: Dr. Jens Müller	Wednesday	8.00 - 9.00, TOE 315	
	Prelab Lectures: Dr. A. Mögel	Wednesday	16.40 – 17.40, HSZ E01	
	Lab: Dr. A. Mögel, Dr. Jan Müller, DI K. Mühlberg	Friday	(see schedule), TOE 301	
Text:	Charles K. Alexander, Matthew N. O. Sadiku: Fundamentals of Electric Circuits. 5th edition, McGraw-Hill, 2013			
References:	Recommended for additional reading:			
	Dorf and Svoboda: Introduction to Electric Circuits. John Wiley & Sons Thomas and Rosa: The Analysis and Design of Linear Circuits. Prentice Hall Neudorfer and Hassul: Introduction to Circuit Analysis. Allyn and Bacon Hayt and Kemmerly: Engineering Circuit Analysis. McGraw-Hill Simpson: Student Problem Set with Solutions. Prentice Hall Johnson, Johnson and Hilburn: Student Problem Set with Solutions. Prentice Hall Hayt and Kemmerly: Student Manual to Accompany Engineering Circuit Analysis. McGraw-Hill Schaum's: 3000 Solved Problems in Electric Circuits. McGraw-Hill			
Exams:	You will have one mid-term exam and a final exam. The exams are closed-book, closed-notes. No formula sheets will be allowed.			
Quizzes:	You will have five 20-minute in lecture quizzes distrib recent lectures and homework material.	outed randomly ov	rer the course, based on	
Discussion:	Discussion classes begin the first week of classes.			
Homework:	A homework set will be assigned weekly.			
Problem Presentation:	Every student will present solutions to problems selected from the homework material. The presentation will be graded.			
Laboratories:	To pass this course you must satisfactorily complete before each lab work.	the Laboratory. T	here will be in-lab exams	
Absences:	Absences will hurt your progress and understanding. Lab and Discussion session for which you are register conflicting with your EK 307 obligations. If you miss a valid documented excuse, you will get zero points for will warrant an excused absence. In case of sickness to class. See your professor to discuss unusual circu	You are expected ered. You should an Exam, Quiz, Ho r that exercise. Or s, provide a doctor mstances.	d to attend every Lecture, not form other commitments omework, or Lab without a nly extreme circumstances r's note upon your first return	
	Oversleeping, forgetfulness, inability to find the class other courses, etc. are not valid reasons for missing be given to those booking air tickets for dates prior to following will apply: (1) you must make up a missed I missing Quiz or Homework grade will be replaced by grades.	room, lack of prep an assignment. A o the Exam. If you Midterm Exam, Fii the average of yo	paration, heavy workloads in n early Final Exam will not have a valid excuse, the nal Exam or Lab, (2) a pur other Quiz or Homework	
l and W Grades:	An I (Incomplete) grade will be given only in <u>extreme</u> has been completed and enforceable and uncontrolla completing the remaining requirements. A W (Withdr University Calendar the professors will not backdar	circumstances in able circumstance awal) grade will b te W forms.	which most of the course s prevent a student from e given according to the	
Collaboration:	<u>All work done for credit must be your own</u> ! The Facul Assistants will not tolerate cheating of any kind. Colla work collaboratively and learning improves if you wor	lty, Teaching Fello aboration is encou rk with others. Co	ows, and Teaching Iraged - engineers usually pying is not allowed.	

Course Information or changes to this syllabus may be given during Lectures. If you miss a class, it is your responsibility to seek out this information.

Grading:

Grade appeals must be made in writing, and accompanied by the disputed work. These must be submitted within one week.

Final Exam	30%	030 points
Mid Term Exam	25%	025 points
Quizzes	20%	04 points each quiz
Laboratory	25%	05 points each lab work
Problem Presentation	+ 3%	03 additional points

Grades will be assigned to the points achieved according the following table:

Points	Grade
≥ 90	A
≥ 83	A-
≥ 76	B+
≥ 69	В
≥ 62	В-
≥ 55	C+
≥ 48	С
≥ 41	C-
≥ 34	D
< 34	F

Homework Assignments:

Distribution:	Homework will be assigned weekly in the lectures or discussion class.
Quality of solutions:	The homework solutions should be neat and well-organized. Each solution should clearly indicate the technique used and assumptions made.
Learning circuit theory:	 This is a problem-solving course emphasizing analysis, but also including design and evaluation. The importance of working out the homework problems yourself cannot be over-emphasized. Looking over other people's solutions is no substitute for working the problems on your own. If you don't do the problems, you won't learn circuit theory. You should work through all of the example problems as you read the text and read the unassigned problems at the end of each chapter to determine if you know how to approach their solutions.
Resources / Help:	The reference books above have many more worked problems. Individual or group appointments with the lecturers can be made to answer questions and to help with solving problems. Make use of all these resources!