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generator models, stability analysis, fault analysis using commercial software, and introduction to power system protection. (Spring only) Prereq: ECE 421. ECE 425 Power Electronics Lab (1 cr) Electrical and Computer Engineering Courses ECE 422/522 Analog Integrated Circuit Design II Syllabus January 2020 Course Description Course Outcomes Grading: weekly ungraded and graded exercises and in-class project exercises. Schedule--Winter Quarter 2019 Monday and Wednesday 4:40 - 6:30 on campus Analysis and design of BJT and FET operational amplifiers, wideband amplifiers, ECE 422/522 Analog Integrated Circuit Design II Syllabus ... ECE 422 Power Systems Analysis . 3 credits Balanced and unbalanced faults, Zbus methods, transient generator models, stability analysis, fault analysis using commercial software, and introduction to power system protection. (Spring only) Prereq: ECE 421 Electrical & Computer Engr (ECE) < CourseLeaf Coreq: ECE 420 . ECE 422 Power Systems Analysis 3 credits Balanced and unbalanced faults, Zbus methods, transient generator models, stability analysis, fault analysis using commercial software, and introduction to power system protection. (Spring only) Prereq: ECE 421 . ECE 427 Power Electronics 3 credits Electrical & Computer Engr (ECE) 62748 ECE 422 Power Systems Analysis 56542 ECE 427 Power Electronics 70682 ECE 430 Microwave and Millimeter Wave Circuits 69220 ECE 444 Supervisory Control and Critical Infrastructure Systems 71513 ECE 452 Communication Systems 74109 ECE 455 Information and Coding Theory 72330 ... ENGINEERING OUTREACH Short-circuit and other faults in power systems. Analysis of faulted power systems in phase domain, components of power system protection, various protection schemes and relays. Power system grounding, concepts of transient overvoltage and ground potential rise. Prerequisite: ECE 430. Credit may be obtained in only one of ECE 434 or ECE 434. ECE - Electrical and Computer Engineering - Catalogue@UAlberta ECE 422. Power Systems Analysis. ECE 427. Power Electronics. ECE 430. Microwave and Millimeter Wave Circuits. ECE 432. Propagation of Wireless Signals. ECE 434. Antenna Principles and Design. ECE 440. Digital Systems Engineering. ECE 441. Advanced Computer Architecture. ECE 422 Spring 2020 Power Systems Analysis II Instructors: Kevin Tomsovic email: tomsovic@utk.edu. Assignments: Homework assignments, reference material, etc. Lectures/Schedule: Zoom link for class; Calendar with recorded lectures and class slides. Text: H. Sadat, Power ... 62748 ECE 422 Power Systems Analysis 56542 ECE 427 Power Electronics 70682 ECE 430 Microwave and Millimeter Wave Circuits 69220 ECE 444 Supervisory Control and Critical Infrastructure Systems 71513 ECE 452 Communication Systems 74109 ECE 455 Information and Coding Theory 72330 ... **ECE 422: Power Systems Analysis, Spring 2016)** ECE 422 Power Systems Analysis . 3 credits Balanced and unbalanced faults, Zbus methods, transient generator models, stability analysis, fault analysis using commercial software, and introduction to power system protection. (Spring only) Prereq: ECE 421 Electrical and Computer Engineering Courses ECE 422. Power Systems Analysis. ECE 427. Power Electronics. ECE 430. Microwave and Millimeter Wave Circuits. ECE 432. Propagation of Wireless Signals. ECE 434. Antenna Principles and Design. ECE 440. Digital Systems Engineering. ECE 441. Advanced Computer Architecture. Electrical & Computer Engr (ECE) < CourseLeaf ECE 422 Power Systems Analysis Session 01a Law, J.D. Spring 2012 2 of 3 OFFICE HOURS TBD PREREQUISITES Energy Systems II (UI ECE 420 or equivalent) and Introduction to Power Systems (UI ECE 404) or Instructor's permission GRADING HW 25 %

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