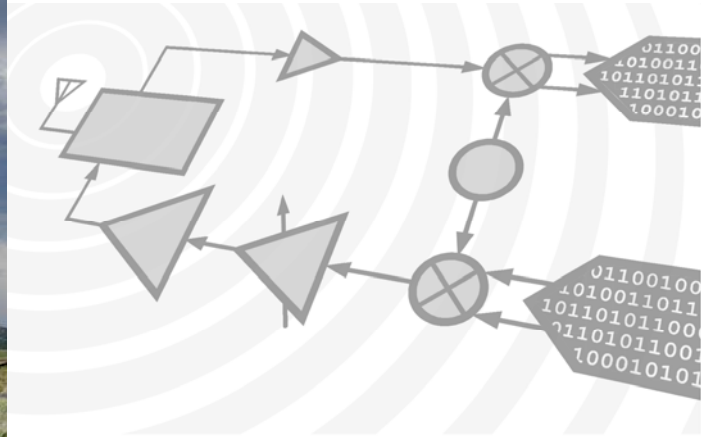


# EE150: High Frequency Systems Laboratory

Time: Monday/Friday 1:00-2:30 PM

Location: ANB 106



## Course Description

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The student will develop a strong, working knowledge of high-frequency systems covering RF to optical wavelengths. The essential building blocks of these systems will be studied along with the fundamental concepts employed in their use. The first part of the course will focus on the design and analysis of core system building blocks. Lectures will introduce key concepts followed by weekly laboratory sessions where the student will design and characterize various system components. During the second part of the course, the student will develop their own high-frequency system, focused on a topic within radio-astronomy, communications, radar, power transmission, medicine, or a topic within their own field of research.

12 units (3-7-2). Prerequisite: EE 45 or equivalent. EE 153 recommended.

For additional information contact [drussell@caltech.edu](mailto:drussell@caltech.edu)