REMOTE SENSING EDUCATION IN THE ECE DEPARTMENT AT GW

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Graduate education in remote sensing in the Electrical and Computer Engineering Department (ECE) is contained within the Master and Doctoral programs leading to MS and DSC degrees in Electrical Engineering. Remote Sensing is a sub-specialty within these degree programs. Incoming master's degree students are required to choose 3 core courses. Students interested in remote sensing usually take a one semester electromagnetics (em) graduate course and a course in stochastic processes. This course sequence is followed by courses in antennas, microwave circuits, computational em, waves in random media, signal processing and radar systems. Along with these courses a one semester course in remote sensing is offered. Doctoral students are required to take courses in their major area of interest and courses in two minor areas. Courses taken depend on the student's background and research interests. In this talk I will discuss the course structure as outlined above. Special emphasis will be placed on the content of the remote sensing course.