

Course Information	
Course title	Special Topic in Satellite Geodesy
Semester	114-2
Designated for	COLLEGE OF ENGINEERING GRADUATE INSTITUTE OF CIVIL ENGINEERING,SURVEYING AND GEOSPATIAL ENGINEERING DIVISION
Instructor	JEN-YU HAN
Curriculum Number	CIE7144
Curriculum Identity Number	521EM7320
Class	
Credits	3.0
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Wednesday 7,8,9(14:20~17:20)
Remarks	The upper limit of the number of students: 20.
Course introduction video	
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning
Course Syllabus	
Please respect the intellectual property rights of others and do not copy any of the course information without permission	
Course Description	Course Description This course provides in-depth views of selected topics in a GPS surveying. Case studies of related applications will be thoroughly discussed, based on students' research interests. It also gives an overview of other satellite surveying techniques (e.g., EU-Galileo). Students who finish this course should be able to take a full advantage of satellite surveying technique and apply it in various fields.
Course Objective	The objective of this class is to teach students how to construct an in-depth knowledge of modern satellite geodesy techniques. Through the review and

	discussion on the latest studies on the related topics, students are expected to become an expert on a specific satellite geodesy technique of his/her interest.	
Course Requirement		
Student Workload (Expected weekly study hours before and/or after class)		
Office Hours		
Designated reading		
References	Mandatory Reading (Textbooks) [1] Leick, A. (2004). Satellite Surveying. 3rd Ed. [2] Strang, G. and Borre, K. (1997). Linear Algebra, Geodesy, and GPS. [3] Hofmann-Wellenhof, B., Lichtenegger, H., and Collins, J. (2001). GPS Theory and Practice, 5th Ed. [4] Torge, W. (1991) Geodesy, 2nd Ed. [5] Chobotov, V.A. (1991) Orbital Mechanics, AIAA. [6] Marchal C. (1990) The Three-Body Problem, Elsevier Pub. Co. [7] Selected journal papers	
Grading	1. NTU has not set an upper limit on the percentage of A+ grades. 2. NTU uses a letter grade system for assessment. The grade percentage ranges and the single-subject grade conversion table in the NATIONAL TAIWAN UNIVERSITY Regulations Governing Academic Grading are for reference only. Instructors may adjust the percentage ranges according to the grade definitions. For more information, see the Assessment for Learning Section.	
Progress		
Week	Date	Topic
No data		