Credits	ctural Analysis Department				Desition	Representative Instructor		Fmail
3	Civil and Environmental Engineering Major			Position Professor		Name Kim, Ho-Kyung		Email hokyungk@snu.ac.kr
	Attachment(Korean)						chment(English)	
rerequisite Course								
onsult Time	35-404 advanced reservation							
. Goals	elements are provided. The assemi structures. Some special modeling be applied to the static analysis of the class. The analysis results by the	sisted structural analysis with the en plage of the global stiffness matrix at techniques can be covered including wire-frame structure with 3D truss ar te developed program are requested e element. The calculation of bucklin	nd load vectors are a end release and rig ad frame elements. to be verified by an	explained ar jid offset. Di The students y structural	nd several solvers ar uring the coursework s are required to con analysis software. T	e introduced to obt a MATLAB-based pplete his/her own he cable structures	ain the displacem d analysis program program with the l is also included i	ent and member forces of n will be developed which c basic knowledges obtained n the coursework with the
	<ol> <li>Understanding a direct stiffness</li> <li>Developing programming skills</li> <li>Understanding modeling technol</li> <li>Practice the modeling of cable-statement</li> </ol>	procedure in computer-assisted stru- and securing a own structural analys logies of structures and increasing a upported bridges structure and calculation of buckling	sis program which c nalysis capacity an					
2. Texts and References	Materials-Computer-Assisted Struc	tural Analysis and Modeling-Marc I	Hoit-Prentice Hall-1	995		-		
	Attendance(%)	Task(%)	Medium(%)	Final(%)	Random Evaluation(%)	Attitude(%)	Others(%)	Total(%)
3. Evaluation	10%	30%	30%	30%	0%	0%	0%	100%
		are absent for over 1/3 of the class	will receive a grad	e of 'F' or 'L	J' for the course. (Ex	ceptions can be n	nade when the ca	use of absence is deemed
	unavoidable by the course instruct	or.)						
	Remark of Others : [ 1 Week ]							
. Lecture Plan	Conservation           -Sufficience subjects by definition           -Sufficience subjects           -Suffici subjecesubjec							
	For Lectures	<ul> <li>Physical Disability: Make textbool</li> <li>Hearing Impairment: Allow note ta</li> <li>Heatlh Impairment: Excuse abser</li> <li>Learning Disability: Allow note tal</li> <li>Intellectual Disability / Autism Spi</li> </ul>	ks (digital textbook) akers and translator nce due to health privers ectrum Disorder: All	Allow note s, Allow lect oblems, Allo ow note take	takers and assistant ure recording w note takers ers and mentors	s		
. Support Services for Students rith Disabilities	For Assignments & Evaluations	<ul> <li>Visual Impairment / Physical Disa assignment submission and respon</li> <li>Intellectual Disability / Autism Spin</li> </ul>	se method, Extend	testing perio	od, Offer alternate te	sting method, Offe	different testing r	
	Others	Students who take this course can characteristics and needs through c support service for students with dis 880-8787).	consultation with pro	fessors and	the Support Center	for Students with [	Disabilities. If you	have any questions concer