

SYLLABUS

<i>Classification</i>	Electrive	<i>Course No.</i>	15417	<i>Hrs.: E Credits</i>	2:00:02	<i>Instructor</i>	G. Hugh Song
<i>Course Title</i>	<i>Korean</i>	반도체 및 전파공학 특론 II (광격자 이론)					
	<i>English</i>	Special Topics on Semiconductor Optoelectronics (Theory of Photonic Crystals)					
<i>Course Outline</i>	Introduces basic concepts of the photonic crystals in optoelectronics.						
<i>Prerequisite</i>	Theory of semiconductor devices						
<i>Textbook and References</i>	G. H. Song, Principle of Photonics chapter 7 & 8. Joannopoulos et al. Complete chapters						
<i>Calendar</i>							
<i>Calendar</i>	<i>Description</i>						<i>*Remarks</i>
<i>1st week</i>	Floquet-Bloch theory for periodic structures						
<i>2nd week</i>	Linear combination of plane waves and the solution to eigenvalue eqs.						
<i>3rd week</i>	Finite length PhC structure						
<i>4th week</i>	Multidimensional PhC structure						
<i>5th week</i>	Special points in the Brillouin zone for square and triangular lattices						
<i>6th week</i>	Symmetry of solutions, symmetry operations						
<i>7th week</i>	compatibility with the dynamic operators, the Maxwell equations						
<i>8th week</i>	Time-inversion, space inversion, rotations						
<i>9th week</i>	Revisit the Floquet-Bloch theorem						
<i>10th week</i>	Photonic crystal; band structure analysis						
<i>11th week</i>	PhC waveguides						
<i>12th week</i>	Two-dimensional PhC slab on a dielectric membrane						
<i>13th week</i>	Defects in a PhC structure, a point defect, surface states						
<i>14th week</i>	Cutoff characteristics for waveguide structures						
<i>15th week</i>							
<i>16th week</i>							

* If there will be experiments, mark it in the "Remarks".

Instructor G. Hugh Song
Dept. Chair Byoung Ha Lee



SYLLABUS

Classification	Required	Course No.	00006	Hrs.: E: Credits	3:0:0	Instructor	Colin Wetmore
Course Title	Korean	영어 1: 영작문					
	English	English I: Writing and Grammar					

Course Outline *Course Description:*
This course will provide instruction and practice in academic and business writing skills. Students will learn to recognize and use patterns of organization commonly used in academic writing. Students will also develop skills of appropriate business communication, specifically email and job applications. This course follows an 'integrated skills' approach to expose learners to authentic models of English (i.e. listening and reading texts) as an essential stage in the writing process. Students will engage in all stages of the writing process i.e. planning, drafting, revising and final submission.

Course Objectives:

By the end of the course, students will demonstrate an ability to:
effectively communicate their ideas and opinions in appropriate academic style
understand and use the basic structures of essay writing
engage in the process of writing a formal paper (ie submission, editing and revision)

Course Assessment

Assessment items and homework 40%
Assignments(x2) 40%
Participation 20%

Academic Policy:

As per GIST academic policy, the minimum requirements for passing English I are as follows:
 1. Full class participation and completion of all homework assignments.
 2. Decent English performance: Majority of Skills scores 4 or higher, none less than 3.5.

Prerequisite	Registration in English Program at GIST
Textbook and References	English I Writing & Grammar: Fall, 2008 original text to be purchased.

Weekly Course Schedule

Calendar	Description	*Remarks
1st week	Get to know you; Orientation; Previous learning experience; Expectations; ISLPR Self-Assessment; Goal Setting; Instruction & practice: Email communication; E-mail communication assignment instruction	Writing Assignment
2nd week	Integrated skills: Preparation & Writing for "Problem solving"; Articles (A, An, The, and Ø); Punctuation & Grammar; Features of a paragraph: Topic sentences & organization; Features of a paragraph: content and organization	Writing Assignment
3rd week	Grammar: Review & Instructions; Expanding: Using support with coherence; Reading and Note-taking: Writing summaries; Listening & Note-taking: Writing summaries	Writing Assignment

<i>4th week</i>	Job application / Skills vocabulary; Instruction: CV writing; Instruction: Cover letter writing; Writing Styles: formal, informal, business, academic	Writing Assignment
<i>5th week</i>	Organization & Patterns of writing; Assignment Development: "Personality Comparisons" Introduction; Assignment Development: "Personality Comparisons" Preparation; Assignment Development: "Personality Comparisons" Consultations	Writing Assignment
<i>6th week</i>	In-class writing & Consultations; In-class writing: Final Assessment; Results, feedback and consultation	Writing Assignment

*** Assignments noted in the "Remarks".**

Instructor: Colin Wetmore (Seal)

Director of International Affairs. Heechul Choi



SYLLABUS

<i>Classification</i>	Required	<i>Course No.</i>	00006	<i>Hrs.: E: Credits</i>	3:0:0	<i>Instructor</i>	David Rowland
<i>Course Title</i>	<i>Korean</i>	영어 1 : 영작문					
	<i>English</i>	English I: Writing and Grammar					
<p><u>Course Outline</u> <i>Course Description:</i></p> <p><i>This course will provide instruction and practice in academic and business writing skills. Students will learn to recognize and use patterns of organization commonly used in academic writing. Students will also develop skills of appropriate business communication, specifically email and job applications. This course follows an 'integrated skills' approach to expose learners to authentic models of English (i.e. listening and reading texts) as an essential stage in the writing process. Students will engage in all stages of the writing process i.e. planning, drafting, revising and final submission.</i></p> <p><i>Course Objectives:</i></p> <p><i>By the end of the course, students will demonstrate an ability to:</i></p> <ul style="list-style-type: none"> <i>effectively communicate their ideas and opinions in appropriate academic style</i> <i>understand and use the basic structures of essay writing</i> <i>engage in the process of writing a formal paper (ie submission, editing and revision)</i> <p><i>Course Assessment</i></p> <p><i>Assessment items and homework 40%</i></p> <p><i>Assignments(x2) 40%</i></p> <p><i>Participation 20%</i></p> <p><i>Academic Policy:</i></p> <p><i>As per GIST academic policy, the minimum requirements for passing English I are as follows:</i></p> <ol style="list-style-type: none"> <i>1. Full class participation and completion of all homework assignments.</i> <i>2. Decent English performance: Majority of Skills scores 4 or higher, none less than 3.5.</i> 							
<i>Prerequisite</i>		<i>Registration in English Program at GIST</i>					
<i>Textbook and References</i>		<i>English I Writing & Grammar: Fall, 2008 original text to be purchased.</i>					
Weekly Course Schedule							
<i>Calendar</i>	<i>Description</i>					<i>*Remarks</i>	
<i>1st week</i>	Get to know you; Orientation; Previous learning experience; Expectations; ISLPR Self-Assessment; Goal Setting; Instruction & practice: Email communication; E-mail communication assignment instruction					Writing Assignment	
<i>2nd week</i>	Integrated skills: Preparation & Writing for "Problem solving"; Articles (A, An, The, and Ø); Punctuation & Grammar; Features of a paragraph: Topic sentences & organization; Features of a paragraph: content and organization					Writing Assignment	
<i>3rd week</i>	Grammar: Review & Instructions; Expanding: Using support with coherence; Reading and Note-taking: Writing summaries; Listening & Note-taking: Writing summaries					Writing Assignment	

<i>4th week</i>	Job application / Skills vocabulary; Instruction: CV writing; Instruction: Cover letter writing; Writing Styles: formal, informal, business, academic	Writing Assignment
<i>5th week</i>	Organization & Patterns of writing; Assignment Development: "Personality Comparisons" Introduction; Assignment Development: "Personality Comparisons" Preparation; Assignment Development: "Personality Comparisons" Consultations	Writing Assignment
<i>6th week</i>	In-class writing & Consultations; In-class writing: Final Assessment; Results, feedback and consultation	Writing Assignment

**** Assignments noted in the "Remarks".***

Instructor: David Rowland

(Seal)

Director of International Affairs. Heechul Choi



SYLLABUS

<i>Classification</i>	Required	Course No.	00007	Hrs.: E: Credits	3:0:0	Instructor	David Rowland
<i>Course Title</i>	<i>Korean</i>	영어 1 : 영어회화					
	<i>English</i>	English I: Speaking & Listening					
Course Outline Course Description:							
<p>This course covers areas pertaining to personal communication and presentation skills. Students will participate in small group discussions on topics of general interest as well as activities that require them to explain factual information. Effective speech presentation techniques are dealt with, including those involving formal feedback. A rapid overview of the English vowel and consonant sound systems and selected features of phrasing, stress, rhythm, and intonation will be covered. Methods pertaining to the improvement of note-taking and summarizing skills will be the focus of writing tasks given in this course.</p> <p>Course Objectives: By the end of the course, students will demonstrate an ability to: effectively communicate their ideas and opinions concerning varying topics. demonstrate the effective use of voice, posture and visual aids in a presentation.</p> <p>Course Requirements: Communication Skills 50 % Presentation Skills 30 % Listening & Note-taking Skills 20 %</p> <p>Academic Policy: As per GIST academic policy, the minimum requirements for passing English I are as follows: 1. Full class participation and completion of all homework assignments. 2. Decent English performance: Majority of Skills scores 4 or higher, none less than 3.5.</p>							
<i>Prerequisite</i>		<i>Registration in English Program at GIST</i>					
<i>Textbook and References</i>		English I Speaking & Listening: Fall, 2008 original text to be purchased.					
<i>Weekly Course Schedule</i>							
<i>Calendar</i>	<i>Description</i>						<i>*Remarks</i>
<i>1st week</i>	Get to know you; Orientation; Previous learning experience; Expectations; Understanding Communication: Talking vs Communication; SILL Self-Assessment; Goal Setting; Self Assessment Presentation						Oral Presentation
<i>2nd week</i>	Questioning Skills; Opinion Language: Agree & Disagree; Presentation Basics: Articulation, Body posture, Confidence, Visual Aids; Language Organization: Lists, Sequences, Cause & Effect; Materials Development; Story Presentation						Oral Presentation
<i>3rd week</i>	Egg-drop Competition; 'Phobias': Listening for Main Idea, Notetaking & Summarizing; 'Phobias': Listening for Specific Information & Presentation Preparation; 'Phobias': Presentations						Oral Presentation
<i>4th week</i>	'Why': Adding reasons & Giving support to arguments; 'Why': Supporting your position; 'Why' presentation; Poster Presentations						Oral Presentation
<i>5th week</i>	Final Task: Recruiting (Gwangju); Inclusive Language; Final Task: Recruiting (GIST)/Listening Practice; Final Task: Recruiting (Research); Listening Assessment						Oral Presentation
<i>6th week</i>	Recruiting Presentation; Assessment review; Results, feedback and consultations + Goal Setting Achievement						Oral Presentation

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Instructor : David Rowland

(Seal)

Director of International Affairs. Heechul Choi



SYLLABUS

<i>Classification</i>	elective	<i>Course No.</i>	00009	<i>Hrs.: E: Credits</i>	3:0:0	<i>Instructor</i>	Colin Wetmore
<i>Course Title</i>	<i>Korean</i>	<i>영어 2 : 프리젠테이션</i>					
	<i>English</i>	<i>Speaking II: Presentations and Pronunciation</i>					
<i>Course Outline</i>		<i>Course Description</i>					
<p><i>English II: Presentation & Pronunciation encourages informal interaction as a basis of developing confidence and fluency. The 2nd half of this course has greater emphasis on formal seminar skills, effective public speaking and academic presentation skills.</i></p> <p><i>There will be a strong emphasis on remedial phonology in order to analyze and minimize pronunciation errors at the word and sentence level. Students' progress will be monitored with regular assessments. Participation in class activities will also be monitored.</i></p>							
<i>Prerequisite</i>		English 1: Speaking and Listening					
<i>Textbook and References</i>		<i>English II: Presentations and Pronunciation, Fall 2008 to be purchased.</i>					
<i>Weekly Course Schedule</i>							
<i>Calendar</i>	<i>Description</i>						<i>*Remarks</i>
<i>1st week</i>	Self Evaluation; Interactivity; Phonology; Listening & note taking; Oral summaries "Problem Solving"						Assessment
<i>2nd week</i>	Effective public speaking: Stress, intonation, pausing; First presentation instruction and preparation						Assessment
<i>3rd week</i>	Skills development: Giving advice; Role Play: Advising and counseling; Toastmaster Topics; Listening Practice						Assessment
<i>4th week</i>	Skills development: Discussion, effective speaking, content and style of expressing opinion in an academic context						Assessment
<i>5th week</i>	Skills development: Advocating, arguing and debating; Debating skills introduction and practice; "The Great Debate"						Assessment
<i>6th week</i>	Power-point Presentations; Evaluation and Feedback						Final Presentations

*** If there will be experiments, mark it in the "Remarks".**

Instructor

(Seal)

Director of International Affairs. Heechul Choi



SYLLABUS

<i>Classification</i>	Elective	<i>Course No.</i>	00610	<i>Hrs.: E: Credits</i>	6:0:0	<i>Instructor</i>	이소림
<i>Course Title</i>	<i>Korean</i>	한국어 집중 강좌					
	<i>English</i>	Intensive Korean					
<i>Course Outline</i>							
초급 수준의 학습자들을 대상으로 100시간 이상 집중 강좌를 통해 한국어 사용 능력을 집중적으로 향상 시킴							
<i>Prerequisite</i>		한국어1 수료자 또는 그에 상당한 수준을 가진 자					
<i>Textbook and References</i>		교수 자체 제작					
<i>Weekly Course Schedule</i>							
<i>Calendar</i>	<i>Description</i>					<i>*Remarks</i>	
<i>1st week</i>	소개하기- 국가, 학교, 사회 등					매주 문화항목이 추가 됨.	
<i>2nd week</i>	일상생활, 학교 생활						
<i>3rd week</i>	쇼핑하기/음식주문하기						
<i>4th week</i>	공공기관 이용하기 1 - 병원, 약국						
<i>5th week</i>	공공기관 이용하기 2 - 우체국, 은행/체험학습						
<i>6th week</i>	예매, 예약하기- 대중교통, 숙박시설 등						
<i>7th week</i>	칭찬, 고민, 충고 등 표현하기						
<i>8th week</i>	복습, 기말 프리젠테이션						

** If there will be experiments, mark it in the "Remarks".*

Instructor SoRim Lee

(Seal)

Director of International Affairs. Heechul Choi

