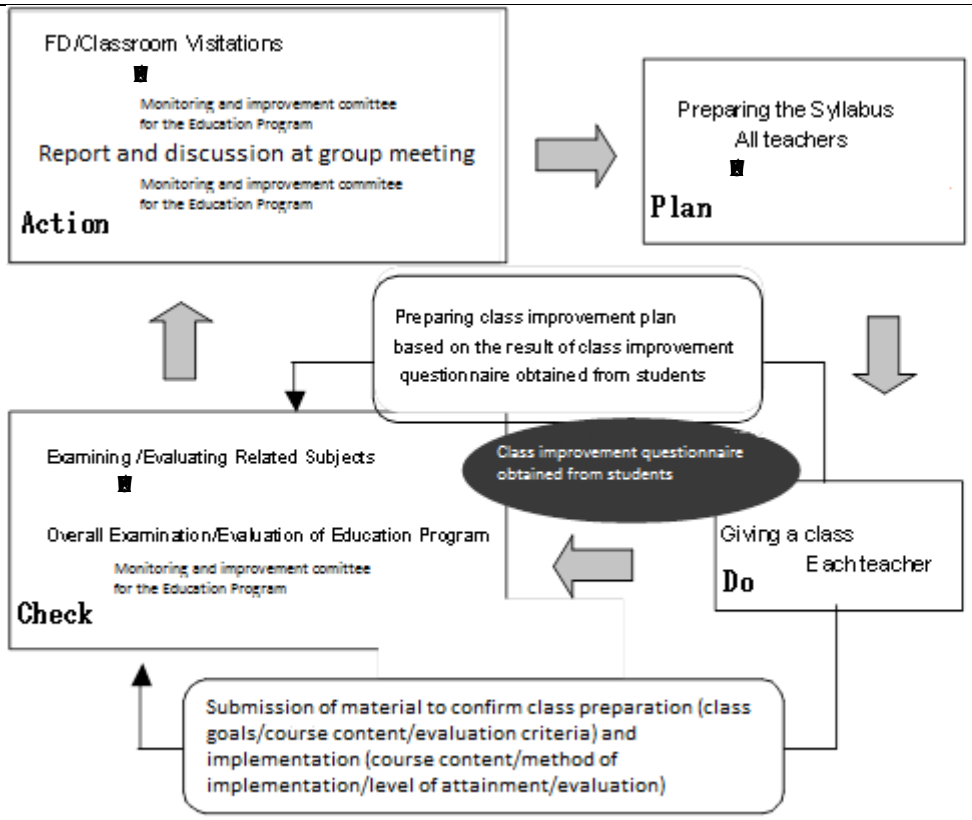
For entrants in AY 2021

For each subject, a WG checks the syllabus prep

When faculty members participate in external


FD/Classroom Visitations
Monitoring and improvement comittee for the Education Program
Report and discussion at group meeting
Monitoring and improvement commitee for the Education Program
Action
Preparing the Syllabus
All teachers
Plan
Preparing class improvement plan based on the result of class improvement questionnaire obtained from students
Class improvement questionnaire obtained from students
Examining /Evaluating Related Subjects
Overall Examination/Evaluation of Education Program
Monitoring and improvement comittee for the Education Program
Check
Giving a class
Each teacher
Do
Submission of material to confirm class preparation (class goals/course content/evaluation criteria) and implementation (course content/method of implementation/level of attainment/evaluation)

Do:

Cluster 1 H-Mechanical Systems, Transportation, Material and EnergyH

Subject type				Required No. of credits	Class subjects, etc.	No. of credits	Type of course registration	Year in which the subject is taken(*The lower figure means semester) H-Note 1H													
								1st grade				2nd grade				3rd grade				4th grade	
								Spring		Fall		Spring		Fall		Spring		Fall		Spring	Fall
Liberal Arts Education Subjects	Peace Science Courses																				
	Basic Courses in University Education	Introduction to University Education																			
		Introductory Seminar for First-Year Students																			
	Common Subjects	Area Courses					Compulsory elective	E•		E•											
				4	Courses in Natural Sciences	2	Compulsory elective		E•		E•										
		Foreign Languages	English (Note 2G‰3) Basic English Usage	2	Basic English UsageI	1	Required	E,	E,												
					Basic English UsageII	1				E,	E,										
				2	CommunicationI H	1	Required	E,	E,												
					Communication I H	1		E,	E,												
			Communication II	2	Communication II H	1	Required			E,	E,										
					Communication II H	1				E,	E,										
			Initial Foreign Languages (Select one language from German, French, Spanish, Russian, Chinese, Korean, and Arabic)	2	1 subjects from Basic language I	1	Compulsory elective	E•													
					1 subjects from Basic language II	1			E•												
		Information and Data Science Courses		2	Introduction to Information and Data Sciencies	2	Required	E,													
		Health and Sports Courses		2		1or2	Compulsory elective	E•	E•	E•	E•										
		Basic Subjects		18	CalculusI	2	Required		E,												
					CalculusII	2					E,										
					Linear AlgebraI	2		E,													
					Linear AlgebraII	2				E,											
					Seminar in Basic Mathem	1			E,												
					Seminar in Basic Mathem	1					E,										
					General FMechanics I	2		E,													
					General FMechanics II	2				E,											
					Basic Electromagnetism	2							E,								
					Experimental Methods and Laboratory Work in Physics I H-Note H H	1				E,											
					Experimental Methods and Laboratory Work in Physics II H-Note H H	1					E,										
				2	General Chemistry	2	Compulsory elective						E•								
					Experimental Methods and Laboratory Work in Chemistry I H NoteH H	1				E•											
					Experimental Methods and Laboratory Work in Chemistry II H NoteH H	1					E•										
	No. of credits required for graduation			46																	

Note 1H When students fail to acquire the credit during the term or semester marked with E,H E•H Eg in the boxes for the year in which the course is taken, they can take the course in subsequent terms or semesters. Depending on class subject, courses may be offered in semesters or terms different from those

Note 2H The credit obtained by mastery of "English-speaking Countries Field Research" or self-directed study of "Online Seminar in English A G‰ cannot be counted towards the credit necessary for graduation. The credit obtained by Overseas Language Training can be recognized as Communication B or B¡ if application is made in advance. For more details, please refer to the article on English in Liberal Arts Education in the student handbook.

Note 3H We have a recognition of credit system for foreign language proficiency tests. For more details, please refer to the article on English in Liberal Arts Education in the student handbook.

Note 4H Students must take both FÊExperimental Methods and Laboratory Work H%1credit H ÃandFÊExperimental Methods and Laboratory Work H%H% H 1credit H Ã.

Cluster 1 F·Basic Specialized Subjects

E, Required subject

E•Compulsory elective subject

EgFree elective subject

	Class Subjects	Credits	Type of course registration				Class Hours/Week														Note
			Mechanical Systems Engineering	Transportation Systems	Materials Processing	Energy Transform Engineering	1st grade				2nd grade				3rd grade				4th grade				
							Spring		Fall		Spring		Fall		Spring		Fall		Spring		Fall		
							1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
1st group	Applied Mathematics I	2	E,	E,	E,	E,			4														
	Applied Mathematics II	2	E,	E,	E,	E,					4												
	Applied Mathematics III	2	E,	E,	E,	E,							4										
	Engineering Mathematics A	2	E•		E•	E•									4								
	Engineering Mathematics C	2	E•	E,	E•	E•								4									
	Probability and Statistics	2	E,	E,	E,	E,					4												
	Synthesis of Applied Mathematics	2	E•		E•	E•											4						
	Practice of Mechanics	1	E•	Eg	E•	E•			4														
	Engineering Mechanics	2	E•	Eg	E•	E•				4													
	Introduction of Mechanical and Transportation Engineering	2	E,	E,	E,	E,			4														
	Technical English	1	E,	E,	E,	E,					4												
	Basic Engineering Computer Programming	2	E,	E,	E,	E,						4											
2nd group	Mechanics of Material I	2	E,	E,	E,	E,					4												
	Thermodynamics I	2	E,	E,	E,	E,					4												
	Fluid Dynamics I	2	E,	E,	E,	E,						4											
	Control Engineering I	2	E,	E,	E,	E,						4											
	An Introduction to Engineering Materials	2	E,	E,	E,	E,					4												
	Fundamentals of Materials Processing	2	E,	E,	E,	E,						4											
	Computer Programming	2	E,	E,	E,	E,										4							
	Machine Design and Drawing	1	E,	E,	E,	E,			3	3													
	Computer Aided Design	1	E,	E,	E,	E,					3	3											
	Machine Shop Training (a)	1	E,	E,	E,	E,			3	3													
	Machine Shop Training (b)	1	E,	E,	E,	E,					3	3											

B Students can select either Machine Shop Training (a) or Machine Shop Training (b)

ed Su

ation S

2nd g

Spring	
1T	2T

Academic Achievements in Transportation Systems Program

The Relationship between Evaluation Items and Evaluation Criteria

		Excellent	Very Good	Good
(1)	Cultural subjects: Acquiring general knowledge from viewpoints of Nature, Human and Society Science, and the understanding of a sense of ethics.	To be able to sufficiently understand the current status of earth's environment and possible future problems. Also, to be able to adequately state multiple scientific perceptions concerning engineering	At the standard level, to be able to understand the current status of earth's environment and possible future problems. Also, to be able to state multiple scientific perceptions concerning engineering	At the minimum level, to be able to understand the current status of earth's environment and possible future problems. Also, to be able to state multiple scientific perceptions concerning engineering
(2)	Mathematical and mechanical subjects: To understand basic knowledge of mathematical dynamical system, which is essential knowledge for engineers and	To be able to sufficiently understand equations which dominate major elements of phenomena, through basic subjects such as mathematics, mechanics, kinematics, etc.	To be able to understand, in standard level, equations which dominate major elements of phenomena, through basic subjects such as mathematics, mechanics, kinematics, etc.	To be able to understand, at least, equations which dominate major elements of phenomena, through basic subjects such as mathematics, mechanics, kinematics, etc.
(3)	Information engineering subjects: To acquire understanding and basic knowledge required for engineers and researchers.	With regard to classes of information engineering, to be able to adequately understand information process technology based on mathematics and mechanics.	With regard to classes of information engineering, to be able to understand information process technology based on mathematics and mechanics at the	With regard to classes of information engineering, to be able to understand information process technology based on mathematics and mechanics at the standard
(4)	The area of structural engineering: The ability to apply the technical knowledge on structural engineering to solve issue related with transportation equipment and coexistence with the environment	Being able to fully explain the validity and reliability of way4 (i)-8 e		
(6)	The area of environmental engineering and fluid dynamics: Technical knowledge on environmental engineering and fluid dynamics relating to transportation equipment and coexistence The area of systems: Technical knowledge on systems, information and transportation systems relating to transportation equipment and coexistence with the environment	Being able to fully explain about validity and reliability of analysis measurements in environmental engineering and fluid dynamics and application, limits and social meaning of industrial knowledge and application of skills. Being able to ful(s)-8.2 (4 (u)17(a). 5 (n)17.x1	Being able to explain to the standard level about validity and reliability of analysis measurements in environmental engineering and fluid dynamics and application, limits and social meaning of industrial knowledge and application of	Being able to explain to the minimum level about validity and reliability of analysis measurements in environmental engineering and fluid dynamics and application, limits and social meaning of industrial knowledge and application of

Relationships between the evaluation items and class subjects

					Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	
Liberal Arts Education	Introduction to University Education	2	Required	1semsester	50	1											50	1												100
Liberal Arts Education	Introductory Seminar for First-Year Students	2	Required	1semsester	50	1											50	1												100
Liberal Arts Education	Peace Science Courses	2	Elective	1semsester	50	1											50	1												100
Liberal Arts Education	CommunicationI H	1	Required	1semsester																							100	1	100
Liberal Arts Education	Communication I H	1	Required	1semsester																							100	1	100
Liberal Arts Education	Communication II H	1	Required	2semsester																							100	1	100
Liberal Arts Education	Communication II H	1	Required	2semsester																							100	1	100
Liberal Arts Education	Basic language I	1	Elective	1semsester																							100	1	100
Liberal Arts Education	Basic language II	1	Elective	1semsester																							100	1	100
Liberal Arts Education	Introduction to Information and Data Sciencies	2	Required	1semsester					50	1											50	1							100
Liberal Arts Education	Area Courses	8	Elective	1semsester	50	1											50	1											100
Liberal Arts Education	Health and Sports Courses	2	Elective	1semsester	50	1											50	1											100
Liberal Arts Education	CalculusI	2	Required	1semsester			50	1											50	1									100
Liberal Arts Education	CalculusII	2	Required	2semsester			50	1											50	1									100
Liberal Arts Education	Linear AlgebraI	2	Required	1semsester			50	1											50	1									100
Liberal Arts Education	Linear AlgebraII	2	Required	2semsester			50	1											50	1									100
Liberal Arts Education	Seminar in Basic Mathematics I	1	Required	1semsester			50	1											50	1									100
Liberal Arts Education	Seminar in Basic Mathematics II	1	Required	2semsester			50	1											50	1									100
Liberal Arts Education	General FMechanics I	2	Required	1semsester			50	1											50	1									100
Liberal Arts Education	General FMechanics II	2	Required	2semsester			50	1											50	1									100
Liberal Arts Education	Basic Electromagnetism	2	Required	2semsester			50	1											50	1									100
Liberal Arts Education	Experimental Methods and Laboratory Work in Physics I (Fluid)	1	Required	2semsester			50	1											50	1									100
Liberal Arts Education	General Chemistry	2	Elective	3semsester			50	1											50	1									100
Liberal Arts Education	Experimental Methods and Laboratory Work in Chemistry I (Fluid)	2	Elective	2semsester			50	1											50	1									100
Specialized Education	Applied Mathematics I	2	Required	2semsester			50	1											50	1									100
Specialized Education	Applied Mathematics II	2	Required	3semsester			50	1											50	1									100
Specialized Education	Applied Mathematics III	2	Required	3semsester			50	1											50	1									100
Specialized Education	Engineering Mathematics C	2	Elective	4semsester			50	1											50	1									100
Specialized Education	Probability and Statistics	2	Required	3semsester			50	1											50	1									100
Specialized Education	Practice of Mechanics	1	Elective	2semsester			50	1											50	1									100
Specialized Education	Engineering Mechanics	2	Elective	2semsester			50	1											50	1									100
Specialized Education	Introduction of Mechanical and Transportation Engineering	2	Required	2semsester																							100	1	100
Specialized Education	Technical English	1	Required	3semsester																							100	1	100
Specialized Education	Basic Engineering Computer Programming	2	Required	3semsester					50	1											50	1							100
Specialized Education	Mechanics of Material I	2	Required	3semsester							50	1											50	1					100
Specialized Education	Thermodynamics I	2	Required	3semsester									50	1											50	1			100
Specialized Education	Fluid Dynamics I	2	Required	3semsester									50	1											50	1			100
Specialized Education	Control Engineering I	2	Required	3semsester											50	1											50	1	100
Specialized Education	An Introduction to Engineering Materials	2	Required	3semsester							50	1											50	1					100
Specialized Education	Fundamentals of Materials Processing	2	Required	3semsester							50	1											50	1					100
Specialized Education	Computer Programming	2	Required	5semsester					50	1											50	1							100
Specialized Education	Machine Design and Drawing	1	Required	2semsester																							100	1	100
Specialized Education	Computer Aided Design	1	Required	3semsester																							100	1	100
Specialized Education	Machine Shop Training (a)	1	Required	2semsester																							100	1	100
Specialized Education	Machine Shop Training (b)	1	Required	3semsester																							100	1	100
Specialized Education	Electrical and Electronic Engineering	2	Elective	6semsester											50	1									50	1			100
Specialized Education	Instrumentation Engineering	2	Elective	4semsester											50	1									50	1			100
Specialized Education	Reliability Engineering	2	Elective	5semsester											50	1									50	1			100
Specialized Education	Experiments and Analytical Procedures in Transportation Systems	2	Required	5semsester																							100	1	100
Specialized Education	Ship Design and Practice	2	Required	4semsester																							50	1	50	1	100
Specialized Education	Transportation Systems Project	4	Required	6semsester																							50	1	50	1	100
Specialized Education	Fluid Dynamics for Vehicle and Environmental Systems	2	Required	4semsester									50	1											50	1				100
Specialized Education	Structural Mechanics	2	Required	4semsester							50	1											50	1					100
Specialized Education	Fundamentals in Dynamics	2	Required	4semsester			50	1											50	1									100
Specialized Education	Project Management	2	Required	4semsester																							100	1	100
Specialized Education	Aircraft Design and Practice	2	Elective	5semsester																							50	1	50	1	100
Specialized Education	Structural Analysis and Design	2	Elective	6semsester							50	1											50	1					100
Specialized Education	Theory of Elasticity	2	Elective	5semsester							50	1											50	1					100
Specialized Education	Theory of Vibration	2	Elective	5semsester							50	1											50	1					100
Specialized Education	Design of large scale systems	2	Elective	6semsester											50	1									50	1			100
Specialized Education	Remote sensing	2	Elective	5semsester									50	1											50	1			100
Specialized Education	Natural-Energy Utilization Engineering	2	Elective	6semsester									50	1											50	1			100
Specialized Education	Viscous fluid and Turbulence	2	Elective	5semsester									50	1											50	1			100
Specialized Education	Ocean-Atmosphere Systems	2	Elective	6semsester									50	1											50	1			100
Specialized Education	Mathematical Optimization	2	Elective	4semsester											50	1									50	1			100
Specialized Education	Transportation Vessels and Vehicles I	1	Elective	5semsester	Specialized Education																								

Curriculum Map of Transportation Systems

>ÿ? ? ? ? >ÌH

Academic Achievement Evaluation Itemas		1st grade Spring	1st grade Fall	2nd grade Spring	2nd grade Fall	3rd grade Spring	3rd grade Fall	4th grade Spring	4th grade Fall
Knowledge and Understanding	>Ô>Ý>Õ>Ì>ø? ? ? ? ? ? >Ì>í? ? ?	[illegible] >í? ? ? >Ì>ï? ?!? ? ?	[illegible] >í?í?ÔE•>Õ ?!? ? ? ? >Ì>ÔE•>Õ					>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>Þ>Õ>Ì>ù? ? ? ? ? ? ? ? ? ? >Ì? ? ? >Ì>ð?%? ? ? ? ?	>ï? ? ? ?!? ?!? >õ>ÔE >ø? ? ? ? ? >Ì>í? ? >ó? ? ? ? ? F·>ù? ? ?	>õ>ÔE,>Õ >ÍÌ? ? ? ? >Ì>ù? ? ? ? ? ? ? ? ? >Ì>õ>ÔE,>Õ >ü? ? ? ? ? ? >Ì? ? >Ì>ù? ? ? ? ? ? ? >ÔEg>Õ >ñ? ? ? ? ? ? ? ? ? ? >Ì>ù? ? ? ? ? ? ? >ÔEg>Õ	>ÔE,>Õ ? ? ? ? ? ? ? ? >ÔE,>Õ	[illegible] ? >Ì>ÿ? ? ? ? ? ? ? ? >ÔE,>Õ	? ? ? ? ? ? ? >Ì>ï>ÔE,>Õ >ð?%? ? ? ? ? ? H E,H		>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>ß>Õ>Ì>õ? ? ? ? ? ? ? ? ? ? >Ì>ñ? ? ? ? ? ? ? ? ? ? >Ì>ò? ? ? ? ?	[illegible]	[illegible]	[illegible]	[illegible]	>ï? ? ? ?!? ? ? >Ì>ü? ? ? ? ?	? ? ? ? ? >ÔE,>Õ	>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>à>Õ>Ì>ÿ? ? ?!? ? ?!? ? ? >Ì>ñ? ? ? ? ? ? ? ? ? >Ì>ò? ? ? ? ?			>ù? ? ? ? ? ? ? ? >Ì? ? >Ì	[illegible]	? ? ? ? ? ?%>Ì? ? >Ì? ? ? ? ?	? ? ? ? >ÔE•>Õ	[illegible]	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>á>Õ>Ì>ñ? ?"? ? ? ? ? ? ? ? ? ? >Ì? ? ? >Ì>ò? ?!? ? Engineering Fields			? ? ? ? ? ? ? ?%? ? ? >ò? ?!? ? >Ì>ð?%? ?	>Ì>õ>ÔE,>Õ ? ? ? ? >Ì>õ>ÔE,>Õ	[illegible] ? ? ? ? ? ?!? >Ì? ? ?!? ? >Ì? ? ?	[illegible]	[illegible] >Ì>ÿ?%? ? ? ? ? >ÔE•>Õ	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>â>Õ>Ì>ÿ?%? ? ? ? >Ì>ò? ? ? ? ?			>ï? ? ? ? ? ? >Ì>ñ? ? ?	[illegible] >ù? ? ? ? ? ? ? ? ? ? ? >Ì>û? ?	[illegible] ? ? ? ? ? ? ? ? ? ? ? ? ? >Ì? ? ? ? ? ? ?	[illegible] >Ì? ? ? >Ì? ? ? ? ? ? ? >Ì>õ>õ>õ>ÔE•>Õ	? >Ì? ? ? >Ì>ð? ? ? ? ? >ÔE•>Õ	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
Abilities and Skills	>Ô>Ý>Õ>Ì>ø? ? ? ? ? ? >Ì>í? ? ?	[illegible] >í? ? ? >Ì>ï? ?!? ? ?	[illegible] >í?í?ÔE•>Õ ?!? ? ? ? >Ì>ÔE•>Õ					>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>Þ>Õ>Ì>ù? ? ? ? ? ? ? ? ? ? >Ì? ? ? >Ì>ð?%? ? ? ? ?	>ï? ? ? ?!? ?!? >õ>ÔE >ø? ? ? ? ? >Ì>í? ? >ó? ? ? ? ? F·>ù? ? ?	>õ>ÔE,>Õ >ÍÌ? ? ? ? >Ì>ù? ? ? ? ? ? ? ? ? >Ì>õ>ÔE,>Õ >ü? ? ? ? ? ? >Ì? ? >Ì>ù? ? ? ? ? ? ? >ÔEg>Õ >ñ? ? ? ? ? ? ? ? ? ? >Ì>ù? ? ? ? ? ? ? >ÔEg>Õ	>ÔE,>Õ ? ? ? ? ? ? ? ? >ÔE,>Õ	[illegible] ? >Ì>ÿ? ? ? ? ? ? ? ? >ÔE,>Õ	? ? ? ? ? ? ? >Ì>ï>ÔE,>Õ >ð?%? ? ? ? ? ? H E,H		>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>ß>Õ>Ì>õ? ? ? ? ? ? ? ? ? ? >Ì>ñ? ? ? ? ? ? ? ? ? ? >Ì>ò? ? ? ? ?	[illegible]	[illegible]	[illegible]	[illegible]	>ï? ? ? ?!? ? ? >Ì>ü? ? ? ? ?	? ? ? ? ? >ÔE,>Õ	>ó? ? ? ?!? ? ? ? ? >Ì	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>à>Õ>Ì>ÿ? ? ?!? ? ?!? ? ? >Ì>ñ? ? ? ? ? ? ? ? ? >Ì>ò? ? ? ? ?			>ù? ? ? ? ? ? ? ? >Ì? ? >Ì	[illegible]	? ? ? ? ? ?%>Ì? ? >Ì? ? ? ? ?	? ? ? ? >ÔE•>Õ	[illegible]	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>á>Õ>Ì>ñ? ?"? ? ? ? ? ? ? ? ? ? >Ì? ? ? >Ì>ò? ?!? ? Engineering Fields			? ? ? ? ? ? ? ?%? ? ? >ò? ?!? ? >Ì>ð?%? ?	>Ì>õ>ÔE,>Õ ? ? ? ? >Ì>õ>ÔE,>Õ	[illegible] ? ? ? ? ? ?!? >Ì? ? ?!? ? >Ì? ? ?	[illegible]	[illegible] >Ì>ÿ?%? ? ? ? ? >ÔE•>Õ	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>â>Õ>Ì>ÿ?%? ? ? ? >Ì>ò? ? ? ? ?			>ï? ? ? ? ? ? >Ì>ñ? ? ?	[illegible] >ù? ? ? ? ? ? ? ? ? ? ? >Ì>û? ?	[illegible] ? ? ? ? ? ? ? ? ? ? ? ? ? >Ì? >Ì? ? ? ? ? ? ?	[illegible] >Ì? ? ? >Ì? ? ? ? ? ? ? >Ì>õ>õ>õ>ÔE•>Õ	? >Ì? ? ? >Ì>ð? ? ? ? ? >ÔE•>Õ	>ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
Comprehensive Abilitie	>Ô>Ý>Õ>í? ? ? ? ? ?%>Ì? ? >Ì? ?		[illegible]	[illegible] ? ? ? ? ? >Ì>Ô? >ÔH E,H	>ùõ??? ? ? ?ÔE>Õ? ? ? ? ? ? ? ? >ÿ? ?? ? >Ì>ð? ? ? ? >Ì? ? ? >	>ÔE,>Õ >ü???? ? ? ? ? >ÔE,>Õ ? >Ì?	[illegible] >ð? ? ? ? ? ? ? ? >ÔEg>Õ	[illegible]	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ
	>Ô>Þ>Õ>Ì>í? ? ? ? ? ?%>Ì? ? >Ì? transmission	>Ì? ? ? ?!? ? ? ? ? ? >ï? ? ? ? >Ì? ? ? ? ?!? >ï? ? ? ? >Ì? ? ? ? ?!?	? >Ì>õ>ÔE,>Õ ? ? ? ? >Ì>õ>ÔE•>Õ ? ? >Ì>õ>õ>ÔE•>Õ	? ? >Ì>õ>õ>ÔE,>Õ ? ? ? ? ? ? ? ? ? ? >Ì>	>ÿ? ? ? >Ì>ð? ? ? ? ? >Ì? ? ? > ñ? ? ? ? ? ? >ÔE,>Õ	>ü???? ? ? ? ? >ÔE,>Õ ? >Ì?	[illegible]	[illegible]	>ò??????? >ÔE,>Õ >Ì? ? ? ? ? ? >ÔE,>Õ

H >ñ?Ì Liberal Arts Education | Basic Specialized Subjects | Specialized Subjects | Graduation Thesis | H E,H >þ? ? ?!? ? ? ? >Ì? ?!? [illegible]