Tsuyama College	Year	2021		Course Title	Special Lecture on Information Systems

Course Information

Course Code	0017		Course Category	Specialized / Elective
Class Format	Lecture		Credits	Academic Credit: 2
Department	Advanced Electronics and Information System Engineering Course		Student Grade	Adv. 1st
Term	First Semester		Classes per Week	2
Textbook and/or Teaching Materials	Teaching Materials: books, online resources and so on that the students find			
Instructor	ONISHI Atsushi			

Course Objectives

Learning purposes :
Improving skill to utilize information and the information systems appropriately and safely by understanding the structure of the familiar information systems.

Course objectives :
1. To investigate the given probrem and to explain findings clearly
2. To understand what another students explained and to utilize them appropriately
3. To explain the picture of the information system what the students use and to utilize it appropriately

Rubric

	Excellent	Good	Acceptable	Not acceptable
Achievement 1	The student can investigate the given problem without an error, and he can announce findings at the time when it was appointed.	The student can investigate the given problem with help of another students, and he can finally announce findings enough.	The student can conduct the minimum investigation about the given problem and explain findings.	The student can't conduct the minimum investigation about the given problem or he can't announce the minimum.
Achievement 2	The student attend the announcement of other students and he can ask appropriate questions and he can utilize their announcement for own investigation.	The student attend the announcement of other students and he can utilize their announcement for own investigation.	The student can do the announcement that is not in conflict with announcement of other students.	The student can't do the announcement that is not in conflict with announcement of other students.
Achievement 3	The student can investigate the designated information system exhaustively.	The student can investigate the designated information system enough.	The student can conduct the minimum investigation about the designated information system.	The student can't investigate the minimum about the designated information system.

Assigned Department Objectives

Teaching Method

Outline	General or Specialized : Specialized Field of learning : Information·Control, Information System·Programming·Network Foundational academic disciplines : Information Science, Computer Engineering and related fields / Comuputer system-related, Information network-related Relationship with Educational Objectives : This class is equivalent to "(2) Acquire the specialized technical knowledge about electronics, information·control and acquire the skill to utilize these knowledge to design, manufacture and application of machinery or some system". Relationship with JABEE programs : The main goal of learning / education in this class are "(C), C-1", also "A-2", "C-2" and "F-1" are involved. Course outline : The information system is aggregate of a lot of techniques and it is related to the scene of every learning. This class treats a technique to build such a complicated information system appropriately and a basic way of thinking to utilize a information system.
Style	Course method : The students don't hear the lecture that the teacher performs but investigate the designated problems about some information system based on own leaning and announce findings. And the students deepen understanding by summarizing these findings in a report. The reports are shared among the students. The examples of the problem are as follows. The component of the PC and expansion method of PC function The peripheral device of the PC and standard for the connection The duty of the operating system and the characteristic of each operating system The trends of VR, AR, MR system The personal identification method The trends of the cloud service The trends of the computer security Grade evaluation method : Aggressiveness for the investigation and the announcement(50%) + Reports(50%)

			Theme	Goals

<table>
<tr><td>Notice</td><td colspan="4">Precautions on the enrollment :
This is a class that requires study outside of class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours.

Cource advice :
As a preparatory study, the students are required to review the learning about computers that the students have gotten previously. And the students should pay attention to news about information-oriented society. The student shuld teach own charge for other students with every effort .

Fundational subjects : Information Literacy(1st year), Introduction to Computers(3rd), Computer System(5th)
Related subjects : Computer System Engineering(Advanced Cource 1st)

Attendance advice :
When the student is absent, he should share the missing contents with other students, because the student is required to hear the all announcement of other students. If absence is over four hours, the students are assigned to the examination to check whether they share the missing contents. If the examination is failure, all report will not be accepted.
If the student is late for the role call, he will be treated as a latecomer. The teacher considers that ths student was absent once when late twice.
In this class, it is required for every communication to use the computer network.
The student should contact the teacher if he has any question.
The students should be always conscious of connection with own information system while hearing the class.</td></tr>
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Characteristics of Class / Division in Learning

☑ Active Learning	☐ Aided by ICT	☐ Applicable to Remote Class	☐ Instructor Professionally Experienced

E l e c t i v e   s u b j e c t s

Course Plan

			Theme	Goals
1st Semester	1st Quarter	1st	Guidance, Investigation and Report generation	Selection of the own problem
		2nd	Explanation of the investigation contents and Q&A, Investigation and Report generation	Decision of own problem and the investigation plan
		3rd	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 1st announcement of the precedent group
		4th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 1st announcement of the rear group
		5th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 2nd announcement of the precedent group
		6th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 2nd announcement of the rear group
		7th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 3rd announcement of the precedent group
		8th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 3rd announcement of the rear group
	2nd Quarter	9th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 4th announcement of the precedent group
		10th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 4th announcement of the rear group
		11th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 5th announcement of the precedent group
		12th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the 5th announcement of the rear group
		13th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the final announcement of the precedent group
		14th	Explanation of the investigation contents and Q&A, Investigation and Report generation	Completion of the final announcement of the rear group
		15th	Explanation of the investigation contents and Q&A, Investigation and Final report generation	Confirmation of the design about the final report
		16th	Summary, supplementary, commentary	Completion of the collection of the reports, results confirmation

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Report	Other	Total
Subtotal	0	50	0	0	50	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	25	0	0	25	0	50
Cross Area Proficiency	0	25	0	0	25	0	50