Course Title	Introduction to Information Literacy	Instructor(s)	Baiko Sai （実務経験のある教員）
		E-mail	bsai@miu.ac.jp
Class Style	Lecture	Office Hours	Friday PM all time (Room1-303)
Track		Mode of Instruction	Of-line
Credits	2	Allocated Year	First or second year Students
Active Learning	Including	Compulsory or Elective	
Course Overview	In our highly information-oriented society, computers are used in every field and have become an indispensable necessity in our lives. In this course, you will understand the concept of information and learn about the configuration of computer systems and the flow of information and control, as well as the form of information networks and important matters associated with them. In addition, we will introduce the concept of a ubiquitous society, an overview of cyber literacy, and a look at the future of IT business.		
Course Objectives	Understand the basics of computer systems. Deepen your understanding of recent computer networks and consider the characteristics of business development in the Internet society.		
Prerequisite			

Course Schedule

No	Contents	Homework
1	Part 1: Guidance History of computer development, concept of information, emergence of ENIAC, Neumann type computer. Check your preparation results.	Assign homework and achieve a review effect
2	Part 2: Computer system configuration Five major functions and basic configuration of computer systems. Practice problem. Check your preparation results.Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
3	Part 3: Main storage Main memory characteristics, RAM / ROM . Practice problem Check your preparation results. Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
4	Part 4: Auxiliary storage Characteristics of auxiliary storage devices, access methods, optical drives . Practice problem. Check your preparation results. Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
5	Part 5: Processor Logical operations, sets and Venn diagrams, instructions and addresses, processor organization and operation . Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.

	6	Part 6: Algorithms and programming Types of programming languages and language translation processors. Practice problem. Check your preparation results. Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
	7	Part 7: Information representation and basic theory Representation and types of information, characters, and numbers, and data error. Practice problem. Solve practice problems and deepen your understanding. Divide into groups and summarize the content of the discussion.	
	8	Part 8: Summary of episodes 1 to 7 Have a discussion about the answers, explanations, and summaries of the exercise questions to deepen your understanding.	Assign homework and achieve a review effect.
	9	Part 9: Software Operating System Concepts and Purposes Yesterday, Open Source Software. Practice problem.Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
	10	Part 10: Information system Offline and online systems, batch processing and real-time processing, centralized processing and distributed processing. Practice problem. Practice with one or two questions for 10 minutes. Assign homework and achieve a review effect.	Assign homework and achieve a review effect.
	11	Part 11: File system and database Overview of file processing, characteristics and structure of databases, and data manipulation using SQL . Practice problem.	Assign homework and achieve a review effect.
	12	Part 12: Communication network Types of network methods, network connection forms, and configuration devices. Internet connection. Broadband. Practice problem.Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
	13	Part 13: Information security Overview of information security, virus protection measures. Practice problem. Check your preparation results. Practice with one or two questions for 10 minutes.	Assign homework and achieve a review effect.
	14	Part 14: Fundamentals of system development Overview of software development, development methods, object-oriented. Practice problem. Divide into groups and summarize the content of the discussion.	
	15	Part 15: Information technology and management Business systems, management strategies, management information analysis methods . Practice problem. Preparation for final exam. Organize and summarize your notes.	

Grading	Quiz 20 % Assignments 30 % Credit validation exam 50% Perform a comprehensive evaluation.
Textbooks	「最新情報処理概論」　安藤明之著、実教出版（Japanese Text）
References	サーバーリテラシー概論：矢野直明（知泉書館）. メディア・リテラシー入門：池上彰（オクムラ書店）. 日経ビジネス.
NOTES	Questions and inquiries should be addressed on the course bulletin board or via DM function. マルチメディア、通信、暗号理論、情報理論の専門学位を持ち、6年間日本大手電気機器メーカでシステム研究、開発の実務お及び18年間海外国内大手半導体メーカのLSI商品の研究、開発、設計、販売の実務経験。国内、国際特許計10件。関連学術論文50件以上。