



Course Syllabus

Second Semester 2018

1. Interdisciplinary subject center, General Education, Languages and Communications Group

2. **Course number** 01999013 credits 3(2-2-5)
Course name New Age Information Management in Everyday Life
(Thai) การจัดการสารสนเทศยุคใหม่ในชีวิตประจำวัน
Section 450,450 Date and time: Mon and Fri 16:30– 18:30
Classroom Lecture/Lab: Computer Laboratory 4 fl. (room 407)
Office of Computer Services Building

3. **Lectures**

- 3.1 Asst. Prof. Sukumal Kitisin, Ph.D. Faculty of Science
phone. 02-562-5555 Ext. 5072
email fscismi@ku.ac.th
- 3.2 Assoc. Prof. Bupphachart Tunhikorn, Ph.D Office of Computer Services
phone. 02-5620951-6 ต่อ2503
email btun@ku.ac.th
- 3.3 Asst. Prof. Chaiporn Jaikaeo, Ph.D. Faculty of Engineering
phone. 02-797-0999 Ext. 1424
email chaiporn.j@ku.ac.th
- 3.4 Asst. Prof. Jittat Fakcharoenphol, Ph.D. Faculty of Engineering
phone. 02-797-0999 Ext. 1427
email jtf@ku.ac.th
- 3.5 Jitti Niramitranon, Ph.D. Faculty of Engineering
phone. 02-942-8555 Ext. 1420
email jitti.n@ku.ac.th
- 3.6 Paruj Ratanaworabhan, Ph.D Faculty of Engineering
phone. 02-942-8555 Ext. 1466
email paruj.r@ku.ac.th

3.7 Supaporn Erjongmanee, Ph.D	Faculty of Engineering phone. 02-942-8555 Ext. 1426 email supaporn.e@ku.ac.th
3.8 Panuchart Bunyakiati, Ph.D.	Faculty of Engineering phone. 02-942-8555 email panuchart@ku.ac.th
3.9 Asst. Prof.Oratai Jongprateep, Ph.D.	Faculty of Engineering phone. 02-797-0999 Ext. 2112 email oratai.j@ku.ac.th
3.10 Ratiporn Munprom, Ph.D.	Faculty of Engineering phone. 02-797-0999 Ext. 2119 email ratiporn.m@ku.ac.th
3.11 Asst. Prof.Chavalit Srisathapornphat, Ph.D	Faculty of Science phone. 02-562-5555 Ext. 3776 email fscicls@ku.ac.th
3.12 Sethavidh Gertphol, Ph.D	Faculty of Science phone. 02-562-5555 Ext. 4329 email fscisvg@ku.ac.th
3.13 Asst. Prof. Usa Sammapan	Faculty of Science phone. 02-562-5555 Ext. 4315 email fsciusa@ku.ac.th
3.14 Sunisa Singkaew	Office of Computer Services phone. 02-5620951-6 Ext. 622594 email sunisa.si@ku.th

4. Consulting Services

Students can contact instructors via email or call them. For an urgent case, please contact Sunisa Singkaew phone. 081-922-1065

5. Objectives

5.1 To explain the definition of Digital Citizen including how to manage Digital Information that would benefit to your life and society.

5.2 To access digital information for learning, doing research and analysis.

- 5.3 To be able to choose the right tools for managing digital information.
- 5.4 To be able to collect, gather and select digital contents for usage and sharing.
- 5.5 To be able to present digital project in the suitable formats to the task.
- 5.6 To be able to create digital content and develop 21st century student's skills and foster team work, critical thinking, creativity and communications
- 5.7 To realize on digital rights and responsibilities, security, digital laws and ethics In the digital world.

6. Course Description

Concepts and trends of new age data and information, information management process, information application benefiting everyday life and society, security, information usage conforming to laws and ethics.

7. Course Outline

7.1 Being Digital Citizen

- Definition and importance
- Digital Citizen Elements

7.2 Digital Access

- Definition and importance of Digital Access
- Digital Access Technology
- Concepts on Managing Digital Information
- Approaches in Managing Digital Information
- Digital Information Research
- Digital Information Collection and Gathering
- Digital Information Storage and Archive
- Digital Information Tools
- Searching for Digital Information
- Search Tools

7.3 Digital Health & Wellness

- Definition and Importance
- Digital Health & Wellness in using digital devices
- Digital Health & Wellness tools for analytical research
- Digital Health & Wellness Data Analysis

7.4 Digital Commerce

- Definition and Importance of Ecommerce

- Online commercial markets
- Doing Online Business
- Bitcoin, Cryptocurrency and Blockchain Technology

7.5 Digital Communication

- Definition and Importance of Digital Communication
- Types and Methods in Digital Communication
- Mobile Applications
- Internet of Things (IoT)

7.6 Digital Rights & Responsibilities

- Definition and Importance of Digital Rights & Responsibilities
- Digital Rights and how to use them
- Social Networks usage benefiting your life and society
- Digital Fallacy and critical thinking

7.7 Digital Security

- Definition and Importance of Digital Security
- Impacts and Dangers in Social Networks
- Do and Don't in social networks community and digital world

7.8 Digital Etiquettes and Laws

- Digital Information Ethics
- Thai Digital Laws
- Problems and case studies in Thai digital laws

7.9 Digital Literacy

- Definition and Importance of Digital Literacy
- Big Data / Data Science/ Digital Reference
- Data Analytics
- Data prediction
- Tools for data analytic research
- Digital content formats
- Content Curation
- Content Creation
- Design Thinking Process
- Digital Storytelling for 21st century skills (4C)

8. Teaching Methodologies

Lecture using slides and videos, case study, individual study, hands-on laboratory (Project-based Learning)

9. Teaching Medium

Slides and videos, case study, individual study, hands-on laboratory, Web Application, Mobile Phone

10. Evaluation

10.1 Project from PBL	30%
10.2 Group Project	10%
10.3 Lesson journal	15%
10.4 Class participation	5%
10.5 Student Disciplines	5%
10.6 Exams	
Midterm exam	15%
Final exam	20%

11. Grade assessment

A	=	80–100 %	B+	=	75–79 %
B	=	70–74 %	C+	=	65–69 %
C	=	60–64 %	D+	=	55–59 %
D	=	50–54 %	F	=	ต่ำกว่า 50 %

*Students must attend 80% of classes to be eligible for taking exams.

12. Course Materials

Lecture notes and slides available in Google classroom.

13. Class schedules

(Number of hours)	Date	Lecture/Lab	Lecturer(s)
1 - 2 (4hrs)	14 Jan 19 18 Jan 19	Orientation - Course syllabus - Intro to Google Classroom	Sukumal / Sunisa
3 (2hrs)	21 Jan 19	- Getting ready to a Digital Citizen - Using Technology Appropriately	Sukumal / Sunisa

(Number of hours)	Date	Lecture/Lab	Lecturer(s)
4 - 5 (4hrs)	4 Feb 19 8 Feb 19	Being Digital Citizen - Definition and importance - Digital Citizen Elements	Sukumal
6 (2hrs)	11 Feb 19	Digital Literacy - Definition and Importance of Digital Literacy - Big Data / Data Science/ Digital Reference - Data Analytics - Data prediction - Tools for data analytic research	Sethavidh
7 (2hrs)	15 Feb 19	Digital Access - Definition and importance of Digital Access - Digital Information Tools - Searching for Digital Information - Search Tools	Orthai
8 (2hrs)	18 Feb 19	Digital Commerce - Bitcoin, Cryptocurrency and Blockchain Technology	Paruj
9 - 10 (4hrs)	22 Feb 19 25 Feb 19	- Definition and Importance of Ecommerce - Online commercial markets - Doing Online Business	Usa/Panuchart
11 (2hrs)	1 Mar 19	- Workshop	Sukumal/Sunisa
12 - 13 (4hrs)	4 Mar 19 8 Mar 19	Digital Health & Wellness - Definition and Importance - Digital Health & Wellness in using digital devices - Digital Health & Wellness tools for analytical research - Digital Health & Wellness Data Analysis	Chavalit
14 - 15 (4hrs)	18 Mar 19 22 Mar 19	- Concepts of daily digital information analysis In a simple research format - Tools for making simple research in daily life	Chaiporn / Supaporn
16 (2hrs)	25 Mar 19	Digital Etiquettes and Laws - Digital Information Ethics - Thai Digital Laws - Problems and case studies in Thai digital laws	Jittat / Sukumal

(Number of hours)	Date	Lecture/Lab	Lecturer(s)
17 - 18 (4hrs)	29 Mar 19	Digital Rights & Responsibilities <ul style="list-style-type: none"> - Definition and Importance of Digital Rights & Responsibilities - Digital Rights and how to use them - Social Networks usage benefiting your life and society - Digital Fallacy and critical thinking 	Ratiporn
19 - 20 (4hrs)	1 Apr 19 5 Apr 19	Digital Communication <ul style="list-style-type: none"> - Definition and Importance of Digital Communication - Types and Methods in Digital Communication - Mobile Applications - Internet of Things (IoT) 	Jitti
21 - 26 (18hrs)	12 Apr 19 19 Apr 19 22 Apr 19 26 Apr 19 29 Apr 19 3 May 19	Digital Literacy <ul style="list-style-type: none"> - Definition and Importance of Digital Literacy - Big Data / Data Science/ Digital Reference - Data Analytics - Data prediction - Tools for data analytic research - Digital content formats - Content Curation - Content Creation - Design Thinking Process - Digital Storytelling for 21st century skills (4C) 	Sukumal / Jitti / Sunisa
27-28 (4hrs)	6 May 19 10 May 19	Project Presentation	Sukumal / Jitti / Sunisa