



**MAHIDOL CORE VALUES**

- M** Mastery
- A** Altruism
- H** Harmony
- I** Integrity
- D** Determination
- O** Originality
- L** Leadership

MAHIDOL

ICT

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## Welcome to the Faculty of ICT

**C**ongratulations and welcome to the ICT Mahidol family and your home for life! ICT Mahidol is a place where you acquire cutting edge knowledge and wisdom in advanced computing technology, life-long learning and 21<sup>st</sup> century skills. We are living in a “New Normal” era and our living and learning styles have been disrupted and in many ways have been changed permanently. COVID-19, while having severe impact on the world population, accelerates innovative developments and deployments of computing applications and services around the globe. New tech millionaires and unicorn companies have been created from this pandemic. With your determination and fortitude, our faculty and staff will equip you with necessary knowledge and skills to do the same! You and IT people from every continent can help in crafting our new way of living, the “Next Normal”. Besides your academic duty, you will also make many friendships that will last a lifetime! You will enjoy our campus and well-equipped ICT building with many exciting student activities. Living a good life is to have fun while doing the things that you like and to make life meaningful.

Our faculty members and supporting staff are eagerly looking forward to greeting and welcoming you in person on our beautiful campus and ICT Mahidol at Mahidol University. Can't wait to see y'all. WE Mahidol!

## About Mahidol University

**M**ahidol University was named after Prince Mahidol, present King's grandfather (the present king is Rama X), who founded the first Medical School in the country at Siriraj Hospital in 1890. It not only provided modern medical services for all people but also served as Thailand's first institution of higher education. Mahidol is one of the most prestigious universities in Thailand, and has been well recognized for its outstanding achievements in teaching, research and professional services.

The philosophy of Mahidol University is best summarized by the University motto: “**At-ta-nang Up-pa-mang Ka-re**” which can be translated to English: as ‘**Do unto others as you would have others do unto you**’. This philosophy is the underlying theme pervading in all activities of Mahidol as it endeavors to imbue graduates with the conviction that, apart from academic matters, they have responsibilities for improving the quality of life of human beings and making this world a better place to live in. In addition, the statement “True success is not in learning but in its application for the benefit of mankind.” of His Royal Highness Prince Mahidol is our essential guiding light.

## Mahidol University Core Values



Mastery  
Altruism  
Harmony  
Integrity  
Determination  
Originality  
Leadership

### About Faculty of ICT

**E**stablished in 2009, The Faculty of Information and Communication Technology is one of the newest faculties of Mahidol University. It stems from the Department of Computer Science, the Faculty of Science, and the Computing Center, which have cooperatively worked together in the development of software for university administration, and in computing research since 1988. Recognizing the significance of information and communication technology development in Thailand, Mahidol University has established the ICT Faculty with the mission to develop a world-class ICT academic and research environment that equips our learners, faculty, and staff with agility, flexibility, knowledge, and opportunities to pursue their professional and academic goals while contributing to the economic and cultural development of the nation and the world.

The Faculty of ICT offers six curriculums:

1. Bachelor of Science in ICT (Revised B.E. 2566)
2. Bachelor of Science in DST
3. Master of Science in Computer Science
4. Master of Science in Cyber Security and Information Assurance
5. Master of Science in Game Technology and Gamification
6. Ph.D. in Computer Science

**F**or the bachelor's degree, the program has been revised to the Elective courses (Specialization) offering 8 specializations: Computer Science (CS), Database Systems (DB), Network and Security (NS), Software Engineering (SE), Health Information Technology (HT), Interactive Multimedia Technology (MT), Information Systems Management (IS), and Artificial Intelligence (AI).

Students have to take at least 18 credits from courses in all specializations in the following list. They have to take at least 15 credits from one specialization to get a minor in that specialization. The total number of students for Bachelor's degree is about 783 students, while the number of students at the graduate level is about 112 students.

Currently, we have a total of 56 lecturers; 44 lecturers from the Computer Science Academic group and 8 lecturers from the Foreign Language group.

Vision	Missions
To provide superior academic and professional opportunities in digital computing education, research, and innovation responsive to the needs of a rapidly changing world, elevating the national and global digital economy.	To develop a world-class ICT academic and research environment that equips our learners, faculty, and staff with agility, flexibility, knowledge, and opportunities to pursue their professional and academic goals while contributing to the economic and cultural development of the nation and the world.

**Core Values: "ONE ICT: Go forward together as ONE"**

**Color Symbolism of the Faculty**



**Oceanic Green:** Blue + Green

- Blue is the color of Mahidol
- Green is the color of nature
- Oceanic Green is therefore like the ocean - the vastness home of the origins of all lives, ICT is the knowledge that is beneficial to all professions.



**Cream:** Yellow + White

- Yellow is the color of our beloved King.
- Moreover, yellow is also the color of the Faculty of Science which is also the origin of the Faculty of ICT.
- White is the color of morality.
- Cream is therefore the symbol of a firm development with morality and ethics.

**Bachelor of Science in ICT**

Since 2003, the Bachelor of Science in ICT program is an exceptional international program that aims to produce highly qualified graduates in the areas of Computer Science, and ICT. The program consists of both rigorous fundamental and technical knowledge as well as the 21<sup>st</sup> Century Skills focusing on communication and teamwork skills which are vital for the students' future careers. The students are

expected to be highly competitive at the international level, not only with their technical specialty but with their English proficiency as well. The entire program is offered in English and all materials are in English.

## Academic Calendar

The B.Sc. in ICT program is a 2-semester programs :

<b>First-semester</b>	First week of August - First week of December
<b>Second-semester</b>	First week of January - First week of May
<b>Summer break</b>	Second week of May - End of July

Each semester consists of 16 weeks. Lectures are normally given for 15 weeks and the last week of the semester will be the final exam week.

## Curriculum Structure

Complies with the Commission on Higher Education Standards' criteria for bachelor's degree program B.E. 2565.

### Number of Credits

The required number of credits in total must not be less than 120 credits

### Curriculum Structure

Complies with the Commission on Higher Education Standards' criteria for bachelor's degree program B.E. 2565

<b>1) General Education</b>	<b>no less than 30 Credits</b>
1.1 Creativity Literacy	no less than 2 Credits
1.2 Health and Self-development Literacy	no less than 2 Credits
1.3 Science and Environmental Literacy	no less than 2 Credits
1.4 Finance and Management Literacy	no less than 2 Credits
1.5 Inter-cultural and Global Awareness Literacy	no less than 2 Credits
1.6 Civic Literacy	no less than 2 Credits
1.7 Required Language Courses	no less than 12 Credits
<b>2) Specific Courses</b>	<b>no less than 84 Credits</b>
2.1 Core Courses	12 Credits
2.2 Required Courses	48 Credits
2.2.1 Organization and Information System Courses	9 Credits
2.2.2 Technology Application Courses	6 Credits
2.2.3 Software Development Courses	12 Credits
2.2.4 Fundamental and Infrastructure Courses	15 Credits
2.2.5 System Architecture Courses	6 Credits
2.3 Elective courses (Specialization)	no less than 18 Credits
2.4 Capstone courses	no less than 6 Credits
<b>3) Free Electives</b>	<b>no less than 6 Credits</b>

## Study Plan & Prerequisites

### The 1<sup>st</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
1 <sup>st</sup> year	ITLG 111	Technical English I	1	1	—
	ITCS 111	Linear Algebra and Calculus for Computing	3	—	—
	ITCS 112	Discrete Structures	3	—	—
	ITCS 113	Fundamentals of Programming	2	1	—
	ITCS 114	Introduction to Computer Ethics	1	—	—
	+	General Education Courses	8	—	—

### The 2<sup>nd</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
1 <sup>st</sup> year	ITLG 121	Reading Skills	1	1	ITLG 111 Technical English I
	ITCS 121	Probability and Statistics for Computing	3	—	—
	ITCS 122	Numerical Methods	3	—	—
	ITCS 123	Object Oriented Programming	2	1	ITCS 113 Fundamentals of Programming
	ITCS 124	Introduction to Digital Systems	3	—	—
	ITCS 126	Introduction to Entrepreneurship	3	—	—
	+	General Education Courses	4	—	—

## The 1<sup>st</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
2 <sup>nd</sup> year	ITLG 211	Technical English II	1	1	—
	ITCS 213	Computer Organization and Architecture	3	—	ITCS 124 Introduction to Digital Systems
	ITCS 214	Data Structures and Algorithm Analysis	3	—	ITCS 123 Object Oriented Programming
	ITCS 215	Introduction to Interactive Multimedia Technology	3	—	—
	ITCS 216	Fundamentals of Database Systems	3	—	—
	ITCS 217	Computer Data Communication	3	—	—
	+	General Education Course	2	—	—
	+	Free Elective course	2	—	—

## The 2<sup>nd</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
2 <sup>nd</sup> year	ITLG 221	Public Speaking and Presentation	1	1	—
	ITCS 223	Introduction to Web Development	2	1	ITCS 123 Object-Oriented Programming ITCS 216 Fundamentals of Database Systems
	ITCS 224	Fundamentals of Information Systems and Software Development	3	—	—
	ITCS 225	Principles of Operating Systems	3	—	ITCS 213 Computer Organization and Architecture ITCS 214 Data Structures and Algorithm Analysis
	ITCS 226	Introduction to Computer Network	3	—	ITCS 217 Computer Data Communication
	ITCS 227	Introduction to Data Science	3	—	—
	+	General Education Course	2	—	—
	+	Free Elective course	2	—	—

The 1<sup>st</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
3 <sup>rd</sup> year	ITLG 311	Business Communication	1	1	ITLG 121 Reading Skills ITLG 211 Technical English II
	ITCS 311	Computer and Business Ethics	2	—	—
	ITCS 312	Computer and Communication Security	3	—	ITCS 225 Principles of Operating Systems ITCS 226 Introduction to Computer Network
	+	Elective courses (Specialization)	6	—	—
	+	General Education Courses	4	—	—
	+	Free Elective course	2	—	—

The 2<sup>nd</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
3 <sup>rd</sup> year	ITLG 321	Academic Writing	1	1	ITLG 121 Reading Skills ITLG 211 Technical English II
	+	Elective courses (Specialization)	9	—	—
	+	Free Elective course	2	—	—

The 1<sup>st</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
4 <sup>th</sup> year	+	Capstone courses	6	—	—
	+	Elective course (Specialization)	3	—	—

## The 2<sup>nd</sup> Semester

Year	Course Name		Credits		Prerequisites
			Lect.	Lab	
4 <sup>th</sup> year	+	Capstone courses	6	—	—
	+	Elective course (Specialization)	3	—	—

## Teaching & Assessment

Teaching method	<ul style="list-style-type: none"> <li>• Interaction-based Lecture</li> <li>• Lab</li> <li>• Discussion</li> <li>• Cooperative Learning</li> <li>• Experience-based Case Study (Discovery Learning)</li> <li>• Inquiry-based Learning</li> <li>• Coaching</li> <li>• Project-based Learning (Expeditionary Learning)</li> </ul>
Assessment method	<ul style="list-style-type: none"> <li>• Quiz</li> <li>• Examination</li> <li>• Observation</li> <li>• Assignment Evaluation</li> <li>• Report Evaluation</li> <li>• Essay Evaluation</li> <li>• Project Evaluation</li> <li>• Presentation Evaluation</li> <li>• Critique Evaluation</li> <li>• Participation Assessment</li> <li>• Self-Assessment</li> </ul>

## Program Learning Outcomes

<b>PLOs</b> (Program Learning Outcome)	<ol style="list-style-type: none"><li>1. PLO1: Solve ICT-related problems using critical thinking, problem-solving, and ICT disciplinary skills</li><li>2. PLO2: Demonstrate abilities to work in ICT related projects collaboratively</li><li>3. PLO3: Perform the individual, social, and ethical responsibilities of a professional working in ICT-related disciplines</li><li>4. PLO4: Use effective command of the English language for professional communication</li></ol>
<b>SLOs</b> (Stream Learning Outcome)	<ol style="list-style-type: none"><li>1. SLO1: Design a wide range of applications in the real world using knowledge and skills in one or more specializations including Computer Science (CS), Database Systems (DB), Network and Security (NS), Software Engineering (SE), Health Information Technology (HT), Interactive Multimedia Technology (MT), Information Systems Management (IS), and Artificial Intelligence (AI)</li><li>2. SLO2: Develop ICT-based solutions or ICT-based research with the awareness of advanced technologies using ICT professional practices and lifelong learning skills</li></ol>

### Remark:

- Some courses have prerequisites. Please check the Bachelor of Science in ICT program curriculum or study plan on the website of the Faculty of ICT for more details on prerequisites. Receiving an “F” from a pre-requisite course may result in graduation delays.
- Some elective courses may cover more than one specialization.

## Graduation Requirements

1. Students can qualify for a Bachelor of Science in Information and Communication Technology (International Program) when they satisfy the following criteria:

- (1) Achieve all program learning outcomes and fulfill the subjects in accordance with the program curriculum, which has the minimum requirements of 120 credits including a minimum of 30 credits of general education courses, a minimum of 84 credits of specific education courses, and a minimum of 6 credits of free elective courses.

(2) Have a cumulative grade point average of at least 2.00 at the completion of the program.

(3) Students need to pass an English Exam, with the minimum level of English of TOEFL PBT 525/CBT 196/ IBT 70/IELTS 5.5/TOEIC 620, or pass the other standard criteria stated in the faculty's and the university's announcement.

(4) Having a minimum grade of C for the Fundamentals of programming, Public Speaking and Presentation, and Academic Writing courses.

(5) Have no debt obligations with Mahidol University.

(6) Not under student status suspension.

2. To recognize the outstanding achievements, students who maintain a high scholastic GPA are eligible for graduation with the following honors. First Class Honor: Earn a cumulative GPA of 3.50 or higher. Second Class Honor: Earn a cumulative GPA of 3.25 or higher, but less than 3.50. Never receive an 'F', 'W' or 'I' grade for any course. Never regrade any course. Complete all the required courses within 4 years since initial registration.

3. To request for graduation, students must meet the following requirements.

(1) Be students who registered and received passing grade in all courses as required in the program study plan.

(2) Pass the requirement of core courses and core activities as required by the Faculty and Mahidol University.

(3) Pass the English proficiency requirement required by the Faculty.

(4) Students who satisfy with requirement (1) and (2) can submit a request form for graduation to the Office of Registrar within the deadline provided by the University. Otherwise, they will not be considered to graduate within that academic semester.

4. In the case that students do not qualify to receive a Bachelor of Science in Information and Communication Technology (International Program) according to the graduation criteria stated in 3.1, students might still qualify for an Undergraduate Diploma in Information and Communication Technology (International Program) when they satisfy the following criteria:

(1) Student must achieve all learning outcomes outlined for the undergraduate diploma and fulfill the subject requirements in accordance with the program curriculum, which has the minimum requirement of 100 credits, including a minimum of 24 credits of general education courses, a minimum of 45 credits of specific educational courses and a minimum of 3 credits of free elective courses.

(2) Have a cumulative grade point average of at least 2.00 at the completion stage of the undergraduate diploma.

(3) Have approval from the faculty committee.

In order to graduate from the Faculty of ICT, a student has to complete 120 credits comprising of 30 credits for General Education, 93 credits for Special Education, and 6 credits for Free Elective courses with a cumulative grade point average (CGPA) at least 2.0, Complete "ITCS 113: Fundamentals of Programming" with grade evaluation at least "C", Complete "ITLG 221: Public Speaking and Presentation" with grade evaluation at least "C", Complete "ITLG 321: Academic Writing" with grade evaluation at least "C" and "pass" one of the following English Proficiency Test as follows :

## English Proficiency Test Scores for Graduation

× Now we accept English Proficiency scores from all 1st, 2nd, 3rd & 4th year students as follows:



3

IELTS (International English Language Testing System) = 5.5

TOEIC (Test of English for International Communication) = 620

TOEFL (Test of English as a Foreign Language) = 525 (Paper-Based & ITP), 70 (Internet-Based)

MUELT (Mahidol University English Language Test) = 89

The Duolingo English Test = 90

## Specialization as Elective Courses

Bachelor of Science in Information and Communication Technology (ICT International Program) offers 8 areas of specialization, which are closely related to career paths and academic areas of interest.

Students have to take at least 18 credits from courses in all specializations in the following list. They have to take at least 15 credits from one specialization to get a minor in that specialization.

## Computer Science (CS)

This specialization focuses on the applications of computer science theories to solve real-world problems. Students will study core computer science-related topics, such as algorithm analysis, Organization of Programming Languages, Theory of Computation, etc.

- Specialty Courses
  - Foundations in Computer Science
  - Algorithms Design and Analysis
  - Principles of Compiler Design
  - Theory of Computation

## Database Systems (DB)

The Database Systems specialization covers both fundamental and applied concepts in database management systems. Students will develop their theoretical and practical skills in applying database technologies to real-world problems, such as, Data Warehousing and Business Intelligence, Database Administration, etc.

- Specialty Courses
  - Database Design
  - Advanced Database System
  - Introduction to Big Data Management
  - Information Retrieval and Text Mining

## Network and Security (NS)

In this specialization, students will learn and practice the related-concepts of Computer Networks and Cybersecurity, such as, Local Area Networks and Network Management, Wireless and IoT Networking, Cloud Computing Systems, Services and Applications and Advanced Cybersecurity.

- Specialty Courses
  - Cloud Computing Systems, Services and Applications
  - Embedded Systems and Internet of Things
  - Advanced Cybersecurity
  - Internet of Things Security and Privacy

## Software Engineering (SE)

The Software Engineering specialization focuses on a systematic approach to the development process, analysis, design, implementation, testing, maintenance, and quality assurance of software. Students

will learn the fundamentals of software development such as requirements elicitation and analysis, software implementation, code review, automated software engineering tools and techniques, and software development lifecycle and methodologies such as Agile, Scrum.

- Specialty Courses
  - Practical Software Engineering
  - Software Requirement Engineering
  - Software Design and Architecture
  - Software Process and Quality Assurance

### **Health Information Technology (HT)**

This specialization focuses on applying information technology for developing health and healthcare applications to deliver quality care. Students will study fundamentals in healthcare systems, clinical information systems, management information systems in healthcare organizations, as well as information privacy and security in healthcare.

- Specialty Courses
  - Introduction to Healthcare Systems
  - Information Technology for Healthcare Services
  - Information Models and Healthcare Information Standards
  - Practical Healthcare Management

### **Interactive Multimedia Technology (MT)**

The Interactive Multimedia Technology specialization focuses on the application of various multimedia technologies to create interactive systems to support a variety of fields, such as art, education, entertainment, engineering, medicine, and science. Students will study essential topics including Computer Graphics, Digital Storytelling and Visual Design, Virtual Reality, etc.

- Specialty Courses
  - Computer Graphics
  - Digital Storytelling and Visual Design
  - Virtual Reality
  - Technology for Game Development

### **Information Systems Management (IS)**

This specialization focuses on how to use information technology (IT) and information systems (IS) to support and improve the business processes of the organization. Students will study subjects related

to Information Systems Management, Information and Business Process Management, Introduction to Experience Design, etc.

- Specialty Courses
  - Information Systems Management
  - Information and Business Process Management
  - Introduction to Experience Design
  - Data Warehousing and Business Intelligence

### Artificial Intelligence (AI)

This specialization in Artificial Intelligence covers the fundamentals and applied concepts of artificial intelligence in various field to solve practical problems. Students will learn core artificial intelligence subjects such as Introduction to Machine Learning, Deep Learning, Introduction to Natural Language Processing, Introduction to Computer Vision, etc.

- Specialty Courses
  - Introduction to Machine Learning
  - Introduction to Natural Language Processing
  - Introduction to Computer Vision
  - Deep Learning

### Capstone Courses

Students can choose the capstone courses to enhance their skills and experiences with the approval of their project advisor and the curriculum committee.

Number of credits (Theory — Practice — Self Study)

ITCS	396	Internship	6 (0-30-0)
ITCS	397	Cooperative Education	6 (0-30-0)
* ITCS	491	Senior Project I	3 (0-6-3)
* ITCS	492	Senior Project II	3 (0-6-3)

*\* The course that is already offered.*

## Student Support Systems

### Advisory Systems:

-  Advisor [Aj.Baan]
-  Staff of Academic Administration

## Tutoring System

The tutoring system aims at improving students especially on the fundamental computer subjects through tutoring sessions. These tutoring sessions are designed to be small-group, interactive environment and focusing on only the core concepts of the subjects. Although, the courses are not compulsory, it is highly recommended for those who want to improve their grades and who are having difficulties in the normal classes.

These tutoring sessions are conducted by students (i.e. tutors) who have completed the subjects well and have shown their capabilities in transferring their knowledge to others. Each of these tutoring courses also requires a designated tutor course coordinator who will facilitate the course by means of organizing the tutoring schedule, serving as a contact point of the course, monitoring the course and reporting the feedbacks to the faculty.

All of the tutoring courses will be overseen by the tutoring system's management team who makes sure that the tutoring system, as a whole, runs smoothly. Moreover, the team also helps in coordinating with the lecturers of each subject so that the teaching contents during these tutoring sessions will truly serve their purposes.

## ICT-Scholarship Program

The Faculty of ICT offers different types of scholarships for students who perform well academically as a reward for their hard-work and dedication to education. The Faculty of ICT awards many scholarships to students each year (approximately 10%).

### 4-Year Partial Scholarship:

-  **Dean's Scholarship:** Students who perform exceptionally well in the ICT Admission Examination are eligible for this scholarship throughout the program as long as they maintain the minimum CGPA above 3.50.
-  **Merit Scholarship:** Students who perform exceptionally well in the ICT Admission Examination are eligible for this scholarship throughout the program as long as they maintain the minimum CGPA above 3.25.

### ICT Annual Partial Scholarships: 3 Types

-  Academic Excellence
-  Activity Excellence
-  Faculty Services Scholarship

## Lab Assistant System

Lab activity can be considered as one of the most integral components of learning to make sure that students get hands-on



Experiences on the subject being taught. Lab assistant system aims to provide lab assistants with an appropriate set of competencies for the subjects being involved and also provide good and efficient lab facilities. The lab assistant system of the Faculty of ICT mainly provides 4 main components which include lab assistants, lab rooms, IT resources, and lab schedule for the whole semester. Not only students perform lab activities under guidance of the instructor, but also by the lab assistants which are experts in the subject.

The lab assistants are the technical staffs in the faculty who have been working in IT fields for many years. This is to make sure that every student in the lab is taken care and able to conduct the lab efficiently. The lab rooms, hardware, and software are allocated properly according to the lab purpose, and machine performances. Moreover, due to large amount of lab activities being performed at the same time, the lab assistant system also manages the schedule of lab usage during the whole semester.

## Grading System and Policies

Even though there is a general guideline for assigning a grade in accordance with a student's performance in a class, individual instructor may have his or her own judgment in deciding an appropriate grade for the course.

A grade of students is assigned according to individual performance in class and may vary from course to course. The workload in class may include quizzes, homework, term projects, class attendance, tests, and exams. Any reproduction or plagiarism of other students' works is prohibited and will result in a severe penalty. A grade report will be sent to a student's email after the grades are given by the instructor. Student's achievement in a course is evaluated using letter grade symbols

Grade	Achievement	Grade Points
A	Excellent	4.0
B+	Very Good	3.5
B	Good	3.0
C+	Fairly Good	2.5
C	Fair	2.0
D+	Poor	1.5
D	Very Poor	1.0
F	Fail	0.0

Under some specific circumstances, one of the following letter grades, without credit points, may be assigned for a course.

I	Incomplete
X	No report yet received from the instructor
P	In progress
O	Outstanding
S	Satisfactory
U	Unsatisfactory
AU	Audit (No credit granted)
W	Withdrawal

The course assignment has to be completed to the satisfaction of the instructor. The student who did not attend the final examination due to one of the following reasons below must inform the ICT program as well as the instructor, and to provide any necessary documents in due time (as soon as possible – e.g. no more than a few days): an illness, of which a medical report issued by a doctor at Mahidol University Health Center or by a good reputation hospital must be presented; an emergency case with documented accidents; a severe illness in the immediate family. An “I” grade given to students must be reassigned to a new grade within one academic year. Otherwise, the grade will automatically change to an F.

## Adding, Dropping and Withdrawing a Course

**A**dding or dropping courses is allowed in the first two week of a regular semester or in the first week of the summer session. After that period, withdrawing a course is allowed until one week before the final exam week and the ‘W’ grade will be given for the course. Permission from both the instructor and the advisor must be obtained for all cases.

## Re-taking and Re-grading a Course

**A** student need to retake a course if they received an ‘F’ or “W” grade. Only two repetitions are allowed for retaking courses. If students received an F grade of the same course for three times, they are no longer eligible to study in the Bachelor of Science in ICT program. Students may regrade a course if they want to get a better grade. However, the new grade will replace the previous grade. In both cases, only the new grade will be used for computing the cumulative GPA and the previous credits will be discarded.

## Student Status and Probation

A student's status is determined after the first two regular semesters.

A student is considered to be in a regular status when his/her cumulative GPA is 2.00 or higher.

A student whose cumulative GPA falls below 2.00 is in the probation status as follows:

High probation status: the cumulative GPA is 1.80 or higher

Low probation status: the cumulative GPA is 1.50 or higher, but less than 1.80.

## Dismissal

Students who fall into one of the following categories will be dismissed from the ICT program.

Students with a cumulative GPA below 1.50.

Students with a cumulative GPA below 1.80 for two consecutive semesters.

Students with a cumulative GPA below 2.00 for four consecutive semesters.

Students who have repeatedly violated the university rules and regulations governing student conducts including:

Plagiarism of assignments

Cheating during examinations

Drug use

Damage to the university's properties or reputation

Gambling, stealing and other inappropriate behaviors

## Honor Degrees

To recognize the outstanding achievements, students who maintain a high scholastic GPA are eligible for graduation with the following honors.

First Class Honor: Earn a cumulative GPA of 3.50 or higher.

Second Class Honor: Earn a cumulative GPA of 3.25 or higher, but less than 3.50.

Never receive an "F", "W" or "I" grade for any course.

Never regrade any course.

Completed all the required courses within 4 years since initial registration.

## Registration and Fee

**S**tudents are responsible for following up their own class registration. Registration periods are scheduled in advance and will be posted each semester. Except for the first semester of the first year, students are required to pay their tuition fees via the on-line e-payment system of Mahidol University. A student is officially registered and eligible to attend classes only when registration is completed with tuition fees paid or properly settled. Failure to pay tuition fees will result in the student's grades, records, and transcripts being withheld. Registration for a subsequent semester may not be permitted without proper financial settlement.

Mahidol University fees cover the usage of university facilities including sporting grounds, health service centers, library and learning resource centers, computing and Internet services, and student activity centers. In addition, students should prepare for additional expenses such as textbooks, studying materials, and personal expenses.

## International Experience

### Student Exchange Programs

**M**ahidol University is fully engaged in the drive for international education. Mahidol University has provided many scholarships for students to participate in international activities abroad including internship programs, student exchange programs and student workshops.

Students from the Faculty of ICT have participated in several international activities in many countries including Japan, Germany, United Kingdom, Australia, Norway, China, Taiwan, Malaysia and Singapore. The experience that they gained are invaluable. The Faculty of ICT highly recommends to all students to seek international experience abroad.

Mahidol University and the Faculty of ICT would like to ensure that all students have a chance to participate in such international activities. Please find more information about International opportunities in the website of the Faculty of ICT.

## Academic Policies and Procedures

### Student Attire

**S**tudents are required to wear proper university uniforms while attending all classes, taking exams, using university facilities and services. Failure to do so may result in some disciplinary actions taken by the ICT program.

Mahidol University uniform regularly used is shown below:

**Female students** are required to wear white short sleeve shirts with blue or black skirts in proper length with the university pin on the right side of the shirt.

**Male students** are required to wear either white short or long sleeve shirts with blue or black pants. No jeans are allowed.

Students must wear belts with the university belt buckles.

Student must keep their shirts tucked in and wear proper and comfortable shoes.

- For more information about student's uniform, please visit <https://op.mahidol.ac.th/sa/disciplinrule>

*\*Students can buy brooch, leather or suede belt, belt buckle, bowtie, and necktie at The Harmony shop by Mahidol University which is located on the 1<sup>st</sup> floor of the Office of the President building and the 1<sup>st</sup> floor of Mahidol Learning Center.*

## Class Attendance

**S**tudents are expected to attend classes regularly and be on time. There will be a regular attendance checking for all classes. A total of 80% attendance is required to be eligible for the examination. If students can no longer attend a class or want to drop a class, they must submit a withdrawal or drop form at the ICT office. Otherwise, they will receive the grade F for the class.

## Classroom Policies

**S**tudents are required to wear proper attires to attend classes. Students should let the instructor know before hand if they have any valid reason to leave the class early or to come to class late. If students were absent from a class with valid reasons such as being sick or personal emergency, they should submit the leave/absent form at the ICT office. If it happens that the class had a quiz or test, it is up to the instructor's decision whether to give make-up test for students or not.

All mobile phones must be turned off during the class. Students are not allowed to have food or drinks in the classroom. Smoking is prohibited everywhere in the ICT building.

## Examination Policies

**S**tudents need to be in proper uniform during exam days. Students must be on time for the exam. Students arriving late for more than 30 minutes after the exam starts, will not be allowed to take the exam.

Only students, who registered for the course, are allowed to take the exam. Students must present their student ID for identity checking during the exam. Students must sit in the assigned seats and sign their names for the exam attendance record.

During the exam, students are not allowed to temporarily leave the room except in emergency cases. Students are only allowed to leave the exam room one hour after the exam started. Both the exam paper and the answer sheet must be turned in before students leave the exam room.

Only pens, pencils, rubbers and necessary stationery are allowed in the exam room. All personal belongings including electronic devices, mobile phones, dictionary, textbooks and notes must be kept in students' lockers unless the instructor for the class allows an open-book exam. The instructor must say specifically which items are allowed in the exam room.

If students failed to take the exam on the scheduled date without prior arrangement with the instructor or due to an emergency, such as serious illness or an accident, they will not be allowed to take make-up exam and will receive an F for the course.

Any form of cheating, including talking, whispering or signaling other students, looking at other students' exam papers, and bringing small notes for a closed book exam, will receive an automatic F grade for the course as the minimum penalty.

## Academic Dishonesty and Punishment

**A**cademic Dishonesty is strongly prohibited at Mahidol University. It is considered as a serious offense because it threatens the integrity of our university. Any dishonest act will result in some severe penalty such as termination of a scholarship as well as being suspended for one year. Academic dishonesty includes, but not limited to, the followings:

**Cheating:** Using unauthorized means to copy another person's work for academic assignments or during the exam, and submit work and claim a credit without one's own effort.

**Fabrication:** Making up data, information, procedures or research results.

**Falsification:** Altering information such as a grade, an exam paper, academic records, experimental results, or forging someone's identification, or intentionally citing a false source of information.

**Multiple Submissions:** Submitting full or partial portion of the same academic work for credit more than once.

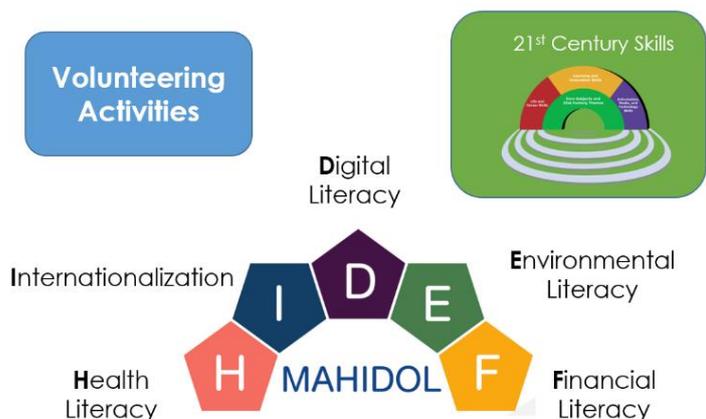
**Plagiarism:** Reproducing work or idea of someone else as one's own in any academic exercise without a permission of the owner or without any acknowledgement to the source.

**Complicity:** Helping or attempting to commit an academically dishonest act.

Any form of academic dishonesty will lead to one or the combination of the following punishments:

-  A zero point on the assignment or test.
-  An 'F' for the course.
-  No longer eligible to enroll in the Bachelor of Science in ICT program.

**Student Affairs:** Student Activities / Student service and Student Welfare Support



Total number of hours:  $\geq 100$  (4 years)

Activity	Minimum Hours
Club Member	$\geq 1$
New Student Orientation (MU)	Required
Wai Kru (MU)	Required
Volunteering Activities	$\geq 10$
Mahidol HIDEF	$\geq 10$ each at least 3 out of 5
21st Century Skills	-

## HIDEF

H = HEALTH LITERACY  
 I = INTERNATIONALIZATION  
 D = DIGITAL LITERACY  
 E = ENVIRONMENTAL  
 F = FINANCIAL LITERACY



## MU Service

- MU Health at Mahidol Learning Center

There are 4 hospitals under the supervision of Mahidol University:

- \* Golden Jubilee Medical Center
- \* Phutthamonthon Hospital
- \* Siriraj Hospital
- \* Ramathibodi Hospital

\*\* Notify at the screening point that you are a student of Mahidol University to avail the benefits\*\*

**Mental health counseling:** In case students have problems about mental health and need counseling, the Faculty of ICT provide the services below.

### ICT Faculty Services:

- 1] Advisor or Aj.Baan
- 2] The Nurse in the nursing room at room IT210S
- 3] Staff from Academic Services Division: student activity

### Center of MU at Division of Student Affairs



MU Hotline Counseling 24 hours Tel.088-874-7385



Adolescent Clinic : Tel.094-954-1014 or 02-441-0602-8 Ext.1213

### Student Health Service Unit, Faculty of Science, Mahidol

Location: The Faculty of Science [Phayathai]

The psychiatrist will accept patients every Wednesday.

Working Time: 12.00 p.m. – 1.00 p.m.

The hospitals under the supervision of Mahidol University: Siriraj Hospital / Ramathibodi Hospital

#### **Notice: Emergency Case**

In case students are admitted in hospitals which are not affiliated with Mahidol University network, to avail the benefits they need to transfer within 72 hours to the hospital under the supervision of Mahidol University.

Note: <http://www.orsa.mahidol.ac.th/main/service/health/th/>

## Related Web Sites

Mahidol University Internet website	<a href="http://www.mahidol.ac.th/">http://www.mahidol.ac.th/</a>
Mahidol University Intranet website	<a href="http://intranet.mahidol/">http://intranet.mahidol/</a>
Faculty of ICT	<a href="http://www.ict.mahidol.ac.th/">http://www.ict.mahidol.ac.th/</a>
Student Information and Services (ICT)	<a href="https://student.ict.mahidol.ac.th/">https://student.ict.mahidol.ac.th/</a>
Student Information and Services (ICT)	<a href="https://mycourses.ict.mahidol.ac.th/">https://mycourses.ict.mahidol.ac.th/</a>
Student Information and Services (MU)	<a href="http://www.student.mahidol.ac.th/">http://www.student.mahidol.ac.th/</a>
Mahidol University Library	<a href="http://www.li.mahidol.ac.th/">http://www.li.mahidol.ac.th/</a>

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## Announcements

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- Announce and notification of Mahidol University and The Faculty of ICT:  
[https://www.ict.mahidol.ac.th/th/?page\\_id=8101](https://www.ict.mahidol.ac.th/th/?page_id=8101)

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  - The Faculty of ICT Notification: Co-Working Space and Senior Project Room:  
[https://www.ict.mahidol.ac.th/th/?page\\_id=8101](https://www.ict.mahidol.ac.th/th/?page_id=8101)

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  - Mahidol University Notification: Re: Guidelines on the smoking violations in non-smoking area B.E.2559 (A.D.2016):  
[https://www.ict.mahidol.ac.th/th/?page\\_id=8101](https://www.ict.mahidol.ac.th/th/?page_id=8101)

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  - <https://www.ict.mahidol.ac.th/student/student-portal/>
  - <https://www.ict.mahidol.ac.th/academic-calendar/>

