Mahidol University
Faculty of Information
and Communication Technology

ICT

# ICT
# MAHIDOL
# STUDENT
# HANDBOOK

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## Welcome to the Faculty of ICT

O n behalf of the entire faculty and staff of the Faculty of Information and Communication Technology, I would like to welcome you to the ONE ICT family. You have chosen to study in a field rich in opportunities, overflowing in innovation, full of exciting challenges, and consisting of constant changes to better mankind. We are here to ensure that you achieve your dreams and are successful in all your endeavors. Education, Engagement, and English are the keys to your success. Your attitude towards your education and responsibility as a student will determine the direction of your future. Your primary purpose at university is to focus on your *Education*. Be prepared. Be studious. Be curious. Learn as much as you can, from the classroom, self-study, and study with friends. Seek advice from your instructors and seniors. If you need assistance, don't be afraid to ask for it. We are here to help you. An enormous part of your education is what you do outside of the class. *Engagement* is the key to broaden your horizons. Engage in student activities. Participate in competitions. Develop your leadership, time management, creativity, teamwork, and other soft skills that are necessary in today's world. Future employers look for these experiences just as much as they look at academic achievements. The Faculty of ICT is an international faculty with *English* as the main means of communication and instruction. Therefore, English must be a part of your DNA. You should think in it, speak it, and use it during the next four years while you are here. Just like playing the piano, writing programming code, and playing sports, you will not develop this essential skill without practice, so use English every day. As you embark on your Mahidol journey, remember H.R.H. Prince Mahidol's words, *"True success is not in the learning, but in its application to the benefit of mankind."* Follow these words and focus on your studies so that you, too, can make a positive difference in the world that we live in. Enjoy the Mahidol experience while you are here. Best of luck here at the Faculty of ICT, and best of luck in all your endeavors.

## 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

Established 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, 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 missions 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 five degrees:

1. Bachelor of Science in ICT
2. Master of Science in Computer Science
3. Master of Science in Cyber Security and Information Assurance
4. Master of Science in Game Technology and Gamification
5. Ph.D. in Computer Science

For the bachelor degree, we have eight majors: Multimedia Systems, Electronic Business Systems, Database and Intelligent Systems, Computer science, Health Information Technology, Software Engineering, Computer Network and Management Information Systems. The total number of students for Bachelor degree is about 800 students, while the number of students in graduate level is about 50-60 students.

currently, we have a total of 50 lecturers; 42 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 ethic.

## 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 21st 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 program.  The calendar of the program is as follows:

| | |
|---|---|
| **First semester** | First week of August – First week of December |
| **Second semester** | First week of January – First week of May |
| **Summer break** | 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 final exam week.

## Study Plan

In general, the program study plan is arranged as follows but can be changed from year-to-year depending on the technology trend.

### 1st year

| The 1st semester | | | | | The 2st semester | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ITLG | 101 | Technical English I | 2 | | ITLG | 201 | Reading Skills | 2 | |
| SCBE | 100 | Wonder of Life | 3 | | SHSS | 103 | Man and Society | 2 | |
| SHHU | 116 | Comparative Culture | 2 | | SCGI | 110 | Chemistry in Everyday Life | 3 | |
| ITCS | 320 | Discrete Structures | 3 | | ITCS | 211 | Introduction to Digital Systems | 3 | |
| ITCS | 175 | Advanced Mathematics I for Computer Science | 3 | | ITCS | 161 | Physical Science and Computation | 3 | |
| ITGE | 101 | Problem Solving Techniques | 2 | | ITCS | 209 | Object Oriented Programming | 3 | |
| ITCS | 201 | Fundamentals of Programming | 3 | | ITCS | 125 | Applied Statistics for Computing | 3 | |
| | | | | | ITGE | 141 | Digital Photography | 1 | |
| **Total credits** | | | **18** | | **Total credits** | | | **20** | |

### 2nd year

| The 1st semester | | | | | The 2st semester | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ITLG | 102 | Technical English II | 2 | | | | | | |
| ITCS | 306 | Numerical Method | 3 | | ITLG | 202 | Public Speaking and Presentation | 2 | |
| ITCS | 241 | Database Management Systems | 3 | | ITCS | 323 | Computer Data Communication | 3 | |
| ITCS | 222 | Computer Organization and Architecture | 3 | | ITCS | 381 | Introduction to Multimedia Systems | 3 | |
| ITCS | 231 | Data Structures and Algorithm Analysis | 3 | | ITCS | 343 | Principles of Operating Systems | 3 | |
| ITCS | 159 | Software Lab for Basic Scientific Problem Solving | 1 | | ITCS | 212 | Web Programming | 3 | |
| ITID | xxx | Free Elective Course | 2 | | ITCS | 335 | Introduction to E-business Systems | 3 | |
| | | | | | ITGE | 301 | Communications Strategies in Professional Life | 2 | |
| **Total credits** | | | **17** | | **Total credits** | | | **19** | |

| | The 1st semester | | | |
|---|---|---|---|---|
| 3rd year | ITLG | 301 | Business Writing | 2 |
| | ITCS | 371 | Introduction to Software Engineering | 3 |
| | ITCS | 414 | Information Storage and Retrieval | 3 |
| | ITCS | 420 | Computer Networks | 3 |
| | ITCS | 451 | Artificial Intelligence | 3 |
| | ITCS | 443 | Parallel and Distributed Systems | 3 |
| | ITCS | 361 | Management Information Systems | 3 |
| **Total credits** | | | **20** | |

| The 2st semester | | | |
|---|---|---|---|
| ITLG | 302 | Academic Writing | 2 |
| ITCS | 424 | Wireless and Mobile Computing | 3 |
| ITCS | 461 | Computer and Communication Security | 3 |
| ITCS | 337 | Human Computer Interaction | 3 |
| ITCS | 391 | Computer Network Lab | 1 |
| ITCS | xxx | Elective Course (Track) | 3 |
| ITCS | xxx | Elective Course (Track) | 3 |
| **Total credits** | | **18** | |

| | The 1st semester | | | |
|---|---|---|---|---|
| 4th year | ITCS | 402 | Computer and Business Ethics | 3 |
| | ITID | 277 | Digital Marketing | 2 |
| | ITCS | 491 | Senior Project I | 6 |
| | ITCS | xxx | Elective Course (Track) | 3 |
| | ITCS | xxx | Elective Course (Track) | 3 |
| **Total credits** | | | **17** | |

| The 2st semester | | | |
|---|---|---|---|
| ITCS | 492 | Senior Project II | 3 |
| ITCS | xxx | Free elective course | |
| **Total credits** | | **3** | |

## Track/Major Courses

| Database and Intelligent Systems | | Computer Science | |
|---|---|---|---|
| ITCS 413 Database Design | 3 | ITCS 331 Organization of Programming Languages | 3 |
| ITCS 431 Software Design and Development | 3 | ITCS 413 Database Design | 3 |
| ITCS 452 Knowledge-Based Systems | 3 | ITCS 425 Algorithms | 3 |
| ITCS 453 Data Warehousing and Data Mining | 3 | ITCS 431 Software Design and Development | 3 |
| ITCS 455 Natural Language Processing | 3 | ITCS 440 Principles of Compiler Design | 3 |
| ITCS 456 Machine Learning and Intelligent Systems | 3 | ITCS 447 Embedded Systems and Applications | 3 |
| ITCS 457 Decision Support and Business Intelligent Systems | 3 | ITCS 453 Data Warehousing and Data Mining | 3 |
| ITCS 476 Digital Image Processing | 3 | ITCS 475 Mathematical Programming | 3 |
| ITCS 495 Special Topics in Databases and Intelligent Systems | 3 | ITCS 481 Computer Graphics | 3 |
| | | ITCS 498 Special Topics in Computer Science | 3 |

| Software Engineering | | Management Information Systems | |
|---|---|---|---|
| ITCS 379 Practical Software Engineering | 3 | ITCS 364 Knowledge Management | 3 |
| ITCS 431 Software Design and Development | 3 | ITCS 365 Information Systems Analysis and Design | 3 |
| ITCS 471 Software Requirement Analysis and Specification | 3 | ITCS 366 Enterprise Architecture | 3 |
| ITCS 472 Software Metrics | 3 | ITCS 367 IT Infrastructure Management | 3 |
| ITCS 473 Software Quality Assurance and Testing | 3 | ITCS 368 Information and Business Process Management | 3 |
| ITCS 490 Special Topics in Software Engineering | 3 | ITCS 439 E-Customer Relationship Management | 3 |
| | | ITCS 453 Data Warehousing and Data Mining | 3 |
| | | ITCS 457 Decision Support and Business Intelligent Systems | 3 |
| | | ITCS 408 Special Topics in Management Information Systems | 3 |

| Computer Networks | | Multimedia Systems | |
|---|---|---|---|
| ITCS 422 Local Area Networks | 3 | ITCS 481 Computer Graphics | 3 |
| ITCS 423 Telecommunication | 3 | ITCS 484 Computer Animation | 3 |
| ITCS 428 Network Programming | 3 | ITCS 485 Multimedia Information Systems | 3 |
| ITCS 429 Computer Forensics | 3 | ITCS 486 Multimedia Data Technologies | 3 |
| ITCS 465 Network Management | 3 | ITCS 487 Multimedia Authoring and Production | 3 |
| ITCS 493 Special Topics in Computer Networks | 3 | ITCS 488 Multimedia Development and Deployment | 3 |
| | | ITCS 496 Special Topics in Multimedia Systems | 3 |

| Health Information Technology | | Electronic Business Systems | |
|---|---|---|---|
| ITCS 403 Introduction to Healthcare Systems | 3 | ITCS 431 Software Design and Development | 3 |
| ITCS 404 Information Technology for Healthcare Services | 3 | ITCS 433 Production, Supply Chain and Logistics Management | 3 |
| ITCS 405 Information Models and Healthcare Information Standards | 3 | ITCS 435 Business Decision Analysis | 3 |
| ITCS 407 Practical Healthcare Management | 3 | ITCS 438 E-Business Modeling and Development | 3 |
| ITCS 409 Special Topics in Healthcare System | 3 | ITCS 439 E-Customer Relationship Management | 3 |
| ITCS 453 Data Warehousing and Data Mining | 3 | ITCS 453 Data Warehousing and Data Mining | 3 |
| | | ITCS 457 Decision Support and Business Intelligent Systems | 3 |
| | | ITCS 494 Special Topics in Electronic Business | 3 |
| | | ITCS 431 Software Design and Development | 3 |

Remark:

- Some courses have pre-requisites. 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 pre-requisites. Receiving an **"F"** from a pre-requisite courses may result in graduation delays.
- Some track/major courses may cover more than one track.

## Graduation Requirements

**I**n order to graduate from the Faculty of ICT, a student has to complete 129 credits comprising of 30 credits for General Education, 93 credits for Special Education, and 6 credits for Free Elective courses with cumulative grade point average (CGPA) at least 2.0, Complete "ITCS 201: Fundamentals of Programming" with grade evaluation at least "C", Complete "ITLG 202: Public Speaking and Presentation" with grade evaluation at least "C", Complete "ITLG 302: Academic Writing" with grade evaluation at least "C" and "pass" one of the following English Proficiency Test as follows :

TOEFL (Test of English as a Foreign Language)

525 (Paper-Based)

196 (Computer-Based)

70   (Internet-Based)

IELTS (International English Language Testing System)

5.5

TOEIC (Test of English for International Communication)

620

MUELT (Mahidol University English Language Test)

89

The Duolingo English Test

90

## Major Tracks

The 93-credit Special Education courses are divided into

**Core Courses** 12 credits

**Core courses** provide basic level of knowledge as the base of higher level courses.

**Compulsory Courses** 69 credits

**Compulsory courses** give significant background in ICT areas.

**Track/Major Courses** 12 credits

**Track/Major courses** focus on in-depth knowledge in ICT major tracks currently consisting of the following tracks.

## Computer Science (CS)

**T**his core track focuses on the use of several computer science theories to solve fundamental problems. In addition, students will study system related topics in computer science such as algorithms analysis, database design, embedded system, and computer graphics.

## Databases and Intelligent Systems (DB)

**T**his core track focuses on creating, extending, and applying database and artificial intelligence technologies to real world problems. Students in this major will learn the theory of database design, data warehousing and data mining, digital image processing, intelligent techniques for pattern recognition, semantic web, knowledge management, and advanced database technologies and applications.

## Software Engineering (SE)

**T**his core track 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 design and architecture, project management, software development process, and efficiency measurement of software products. Moreover, students will study essential techniques for inspecting, reviewing, and verifying the software and its process.

## Computer Network (CN)

Network Track is the core track that students can learn the Internet architecture, Internet protocols, how the Internet works, network management, network programming, and computer forensic. In addition, a networking track could cover local wired and wireless IP network design, wide area network (WAN) connectivity, routing, and administration, and also mobile communications technologies.

## Electronic Business Systems (EB)

This applied track focuses on applying various computing technologies for building e-business infrastructure and platforms in order to enhance opportunities for a number of traditional business applications. Students will study e-business modeling and related issue such as customer relationship management, supply chain management, and mobile applications. Student will also learn how to identify business problems and come up with solutions for solving these problems as well as creating new business strategies. Other topics such as decision support, business intelligent systems, and project management are also included in this track.

## Multimedia Systems (MM)

This applied track focuses on creating and applying various multimedia technologies for the building of multimedia related systems including computer animation, computer graphics, and virtual reality. Student will learn how to manipulate various media including audio and video data so that they can apply multimedia technology to several fields such as art, education, entertainment, engineering, medicine and science.

## Management Information Systems (MS)

This applied track's main feature is to manage how to use information technology (IT) and information system (IS) to support and improve the business processes of the organization. Management Information systems comprise of five main components: hardware, software, data/information for decision-making, procedures, and people (individuals, groups, or organizations). In order to support critical decision making in the management area of the organization, this track focuses more on the data interpretation because Information is fundamental to the validity of the decision that affects accomplishment of the tasks effectively and efficiently.

## Health Information Technology (HT)

This applied track focuses on applying information technology for building health and healthcare applications in order to deliver the quality care. Students will study healthcare systems, clinical information systems, management information systems in healthcare organizations, e-Health and telehealth, as well as information privacy and security in healthcare. Other topics such as information models and healthcare information standards are also covered.

## Senior Project

Every ICT student is required to submit and present a senior project to a designated committee. Students may elect to do work in one of the available major tracks or do interdisciplinary work. The senior project must be approved by the student's advisor and the Senior Project committee of the Faculty of ICT. In addition, the documentation of the project must be written in English and submitted by the end of the senior year.

## 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 will help making sure that the tutoring system as a whole runs smoothly. Moreover, the team also helps coordinating with the lecturers of each subject so that the teaching contents during these tutoring sessions will truly serve their purposes.

## ICT-Scholarship Program (For Thai Students Only)

The Faculty of ICT offers different types of scholarship 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.

## 1-Year Partial Scholarship:

Non-scholarship students who perform exceptionally well in their study and maintain good conduct are eligible for this 1-year scholarship. Please check for announcement about annual scholarship application period during each academic year.

## Lab Assistant System

Lab activity can be considered as one of the most integral components of study 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 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 perform at the same time, the lab assistant system also manage the schedule of lab usage across the whole semester.

## Grading System and Policies

E ven 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. Workload in class may include quizzes, homework, term projects, class attendances, 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.

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

## Registration and Fee

Students 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

Mahidol 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 gain are invaluable.  The Faculty of ICT highly recommends all students to seek for 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 of 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 1st floor of the Office of the President building and the 1st 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. The 50% 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 beforehand when they have a good reason to leave the class early or to come to class late. If students were absent from a class with proper reasons such as being sick or had personal emergency, they should submit the leave/absent form at the ICT office. If that class had a quiz or test, it is up to the instructor's justifications to have a make-up test for students.

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

Students need to be in proper uniform on 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

Academic Dishonesty is strongly prohibited at Mahidol University. It is considered as a serious offense because it threatens the integrity of our university. Any dishonesty act will result in some strong penalty such as the 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 dishonesty 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 benefit unit





Total number of hours: >= 100 (4 years)

| Activity | Minimum Hours |
|---|---|
| Club Member | >=1 |
| New Student Orientation (MU) | Required |
| Wai Kru (MU) | Required |
| Volunteering Activities | >=10 |
| Mahidol HIDEF | >=10 each<br>at least 3 out of 5 |
| 21  Century Skills | - |

## Student Association and clubs

The Committee Members of the ICT student Association Committee Academic year 2019

**Link:** https://www.ict.mahidol.ac.th/th/?page_id=3237

Students are invited to participate in several well-known student clubs on campus. However, new students are encouraged to contact Mahidol University Student Council to learn more about ongoing and incoming activities for students.

## Extracurricular Activities

Mahidol University offers a wide variety of on campus activities such as badminton, basketball, fencing, golf, judo, martial arts, photography, soccer, swimming, tennis, volleyball and other sports.

## Facilities on Campus

Library services provided at the main library at Salaya campus. Computer labs and Internet services are given at the ICT and OP buildings. University Bookstore is the place to buy books, magazines, stationery, and all other necessities. Sporting grounds and the new Olympic-sized swimming pool. Health center located at the university's health center on campus.

## Student Association and clubs

1. Basketball (Sport club)
2. CTF: Capturing the Flag (Academic club)
3. Entrepreneurship (Academic club)
4. Espanola (Art and Cultural club)
5. Eureka (Community Service club)
6. Game Developer (Academic club)
7. Intelligent Information System (Academic club)
8. Music (Art and Cultural club)
9. Photography (Art and Cultural club)

» Follow the news of clubs and student activities via Facebook : MUICT Student Activities

Link: https://www.ict.mahidol.ac.th/th/?page_id=3237

## Student service and benefits unit

### Physical health

ICT Faculty Service: The faculty has service for student and provide the Nursing room on the 2$^{nd}$ floor in the ICT building.

- Nursing, general treatment services
- first aid

### 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.

## Related Web Sites

| | |
|---|---|
| Mahidol University Internet website | http://www.mahidol.ac.th/ |
| Mahidol University Intranet website | http://intranet.mahidol/ |
| Faculty of ICT | http://www.ict.mahidol.ac.th/ |
| Student Information and Services (ICT) | https://student.ict.mahidol.ac.th/ |
| Student Information and Services (ICT) | https://mycourses.ict.mahidol.ac.th/ |
| Student Information and Services (MU) | http://www.student.mahidol.ac.th/ |
| Mahidol University Library | http://www.li.mahidol.ac.th/ |

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## Announcements

- Announce and notification of Mahidol University and The Faculty of ICT :
  https://www.ict.mahidol.ac.th/th/?page_id=8101
- The Faculty of ICT Notification: Co-Working Space and Senior Project Room :
  https://www.ict.mahidol.ac.th/th/?page_id=8101
- 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
- Student portal : http://student.ict.mahidol.ac.th/

## Academic Calendar 2020 - 2021

### Announcement of The Faculty of ICT, Mahidol University

Academic Calendar 2020 – 2021

| 1st Semester | |
|---|---|
| Classes begin | August 10, 2020 (Mon.) |
| Mid-term examinations * | October 5 - 16, 2020 (Mon. – Fri.) |
| Last day of classes * | December 4, 2020 (Fri.) |
| Reserved for make up classes * | December 8 – 12, 2020 (Tue. – Sat.) |
| Final examinations * | December 14 – 26, 2020 (Mon. – Sat.) |
| 2nd Semester | |
| Classes begin | January 4, 2021 (Mon.) |
| Mid-term examinations | March 1 – 6, 2021 (Mon. – Sat.) |
| Last day of classes | April 24, 2021 (Sat.) |
| Reserved for make up classes | April 26 (Mon.) –  May 1 (Sat.), 2020 |
| Final examinations | May 3 – 15, 2021 (Mon. – Sat.) |
| Summer Session | |
| Classes begin | May 31, 2021 (Mon.) |
| Last day of classes | July 17, 2021 (Sat.) |
| Final examinations | July 19 – 23, 2021 (Mon. – Fri.) |
| Important Dates of The University and The Faculty of ICT | |
| ICT Preparatory Program 2020 (Online) | June 8 (Mon.) –  July 14 (Tue.), 2020 |
| Training program for Fire Prevention and control for ID63 students (Online) * | July 31, 2020 (Fri.) |
| Mahidol University's New Student Orientation (Online) | August 5, 2020 (Wed.) |
| Faculty of ICT's New Student Orientation (Online) | August 6, 2020 (Thu.) |
| MUICT Fire Drill | September 2, 2020 (Wed.) (11.45 a.m. – 1.00 p.m.) |
| MUICT Freshy Boy & Freshy Girl 2020 | September 2020 |
| Open Baan (All year ICT Students) | September 2020 |
| Mahidol Day | September 24, 2020 (Thu.) |
| MUICT Graduation Rehearsal 2019 * | September 28, 2020 (Mon.) |
| MU Graduation Rehearsal 2019 * | September 29 – 30, 2020 (Tue. – Wed.) |
| Salaya Tour | December 2020 |
| 52nd Anniversary of the Bestowing of the Name "Mahidol University" | March 2, 2021 (Tue.) |
| Freshy Mahidol Games 2019 (for ID63 students) | January – February 2021 |
| Election of MUICT Batch #18 President | January 2021 |
| Job & Education Fair | January 27, 2021 (Wed.) |
| MUICT CUP 2020 | February – March 2021 |
| MU Futsal League (All year ICT Students) | March – April 2021 |
| The 12th Anniversary of the Faculty of ICT | May 20, 2021 (Thu.) |

| No-Class Days | |
|---|---|
| MU Grand Rehearsal 2019 * | October 2 – 3, 2020 (Fri. – Sat.) |
| MU Commencement 2019 * | October 5 - 6, 2020 (Mon. – Tue.) |
| MU Open House 2020 | November 6 – 7, 2020 (Fri. – Sat.) |
| Wai Khru Ceremony of MUICT (All year ICT Students) * | January – May 2021 |
| **Holidays (No-Class Days)** | |
| H.M. Queen Sirikit's Birthday | August 12, 2020 (Wed.) |
| King Bhumibol Adulyadej Memorial Day | October 13, 2020 (Tue.) |
| King Chulalongkorn Memorial Day | October 23, 2020 (Fri.) |
| King 's Bhumibol Adulyadej's Birthday / National Day / National Father's Day of Thailand | December 5, 2020 (Sat.) |
| Substitute for  King 's Bhumibol Adulyadej's Birthday / National Day /  National Father's Day of Thailand | December 7, 2020 (Mon.) |
| Constitution Day | December 10, 2020 (Thu.) |
| New Year's Eve | December 31, 2020 (Thu.) |
| New Year's Day | January 1, 2021 (Fri.) |
| Makha Bucha Day | February 26, 2021 (Fri.) |
| Chakri Memorial Day | April 6, 2021 (Tue.) |
| Songkran Festival | April 13 – 15, 2021 (Tue. – Thu) |
| Coronation Day | May 4, 2021 (Tue.) |
| Visakabucha Day | May 26, 2021 (Wed.) |
| Royal Ploughing Ceremony Day | May, 2021 (To be announced by the Bureau of The Royal House) |
| H.M. Queen Sutida's Birthday | June 3, 2021 (Thu.) |
| Asarnha Bucha Day | July 24, 2021 (Sat.) |
| Buddhist Lent Day | July 25, 2021 (Sun.) |
| Substitute for Asarnha Bucha Day and Buddhist Lent Day | July 26, 2021 (Mon.) |
| H.M. King Maha Vajiralongkorn's Birthday | July 28, 2021 (Wed.) |

**Remark:**

  * The marked dates are the update from the previous calendar

  ** Due to unforeseen circumstances, we reserve the right to change the academic calendar according to the university and / or the ICT Faculty instructions.