STUDENT HANDBOOK
Bachelor of Economics

Background of Faculty of Economics

Economics has been taught at Chiang Mai University since 1964, initially by the Economics Department of the Faculty of Social Sciences. On 28 August 1992, the faculty of Economics, known today as Chiang Mai School of Economics or CMSE, was officially established according to the Royal Thai Government s Development Plan for the Northern region and the objectives of Chiang Mai University in providing undergraduate and postgraduate education in regional areas, and to serve as a social center for advance research and academic services.

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INFORMATION ABOUT THE PROGRAM

Program Title

Bachelor of Economics Program (International Program)

Degree Title

Bachelor of Economics (B.Econ.) (International Program)

Duration of Study and Credit Requirement

4 years, 8 regular semester
- o Special Problem (Academic) Track 135 credits
- o Cooperative Education Track 132 credits

Tuition Fee

- o Regular Semester   35,000 Baht
- o Summer Session   17,500 Baht

ACADEMIC MEASUREMENT AND EVALUATION

Grades and grade point values are employed in measurement and evaluation, divided into 3 groups; grades which contain grade point value, grades which do not contain grade point value and grades which are in progress.

Grades, Grade Point Values and Meaning

Grades which contain grade point value:

A	GP value	4	means	Excellent
B$^+$	GP value	3.5	means	Very good
B	GP value	3	means	Good
C$^+$	GP value	2.5	means	Fairly good
C	GP value	2	means	Fair
D$^+$	GP value	1.5	means	Poor
D	GP value	1	means	Very poor
F	GP value	0	means	Failed

Grades which do not contain grade point value:

S	means	Satisfactory
U	means	Unsatisfactory
V	means	Visitor
W	means	Withdrawn

Grades which are in progress:

I	means	Incomplete
P	means	In progress
T	means	Thesis/Independent study in progress

"I" indicates that the evaluation in a course is incomplete due to reasons beyond control. The course lecturer and the dean of the appropriate faculty's Study Committee must agree to the student's receiving an "I".

"P" indicates that a course is still in progress and that measurement and evaluation cannot be made that semester. "P" can be used only in courses specified by the curriculum.

A "P" will be replaced by a proper grade when evaluation is completed, which must be done by the last day of final examinations within the next two regular semesters. Failure to do so will result in the university's changing the "P" to "F" or "U".

"V" indicates that a student is a visitor and will not be academically evaluated for a course. The student must take at least 80 percent of study hours. Failure to do so or if student cannot observe course specifications will result in the lecturer being entitled to change the "V" to "W".

"W" indicates that:

(1) Ineligible registration and void.
(2) Course conditions have not been met.
(3) The student was ordered to drop for the semester.
(4) The student has resigned before the grade report date of that semester or died before the last evaluation was complete.
(5) The student withdrew within the withdrawing period.
(6) The university allowed the student to withdraw all the courses he has registered for after the withdrawing period due to some unforeseen cause.
(7) The student receives I or P and has not completed the evaluation before resigning from being a student.

"S" and "U":

Where "S" and "U" are assigned for a compulsory course, a student must receive "S" for the course. The student who receives "U" will have to re-enroll until "S" is obtained.

"S", "U", "I", "P", "T", "V" and "W" are not calculated into the students' overall grade point averages (GPA).

CE CP CS and CT: The letter grade CE, CP, CS and CT are assigned for some courses that can be transferred or considered equivalent for transferring from non-formal education or informal education to the formal education system.

CX: The letter grade CX is used to exempt courses.

The Letter grades S, U, I, P, V, W, CE, CP, CT and CX are not used to calculate the grade point average (GPA).

Accumulation of Credits

(1) Only courses in which students receive "A", "B+", "B", "C+", "C" or "S" will be counted as accumulated credits.

(2) In the case where a student enrolls in the same course more than once, only the credits of the last enrollment will be included in the accumulated credits. However, in cases specified by the university, re-enrollment credits may be included in the accumulated credits at every enrollment.

Accumulated credits of lower-level undergraduates are excluded from the accumulated credits to graduate.

(3) In the case where a student enrolls in courses which are declared equivalent to each other the credit of only one course will be included in the accumulated credits.

The GPA is calculated from the total credits earned and the grade value of all the courses. All the grade values of the courses that have been registered for more than one time shall be used in the calculation.

For the GPA the multiple sum of all the credits and the grade value for each course are added together and then divided by the number of credits of the courses with the evaluation scheme and only the first two digits are kept. If the third digit is higher than 5 it (the second digit) will be rounded up one digit.

A student whose letter grade(s) does not match the criteria of his program must repeat the course registration until he can get the required letter grade(s).

A student who receives permission to study at another higher institute temporarily can request for course equivalence or credit transfer as well as study results to be calculated with those earned from the university.

The courses taken at another institute must be equal credits and study hours both in theory and/or practicum to be in accordance to the university standards.

In the cases of complaints or discovering that some letter grades are incorrect or do not match with the criteria, the president of the university can appoint a committee to investigate the case and he shall have the care and charge as deemed appropriate.

Forfeiture of Student Status

A student will forfeit his/her status as a student if any one of the following occurs:

(1) Death.
(2) Resignation.
(3) Transfer to another institution.
(4) Failing to register for a course(s) or register for usage of service or taking a leave within 30 days after the regular semester begins.
(5) Misbehaving as a student or acting in such a way as to disgrace the university and the university agrees to remove his name from the student list according to the Regulations on Student Discipline.
(6) Having registered as a full-time student for two times longer than the time allowed for the program. For a transfer student, this is counted from the first semester he registered with the university until the end of the summer session of the last academic year.
(7) Having a study result in one of the following:
   - Having a GPA less than 1.50 after two regular semesters.
   - Having a GPA less than 1.75 after four regular semesters.
   - Having a GPA less than 1.75 for 2 consecutive regular semesters after four regular semesters.
   - Having a GPA of less than 2.00 after registering and receiving the transfer credits with the letter grade with value and the letter grades S, U, CE, CP, CS, CT and CX for 240 credits for the four-year program, 300 credits for the five-year program and 360 credits for the six-year program. This excludes the credits for courses with W.
(8) Having been granted graduation.

Leave of Absence

Students who have not registered in a regular semester, should request for leave of absence within 30 days of the first day of classes.

A student who takes a leave of absence, or who is suspended for a semester of an academic year, must pay a student status maintenance fee for each semester he/she misses, except for the regular semester for which course enrollment fees were already paid.

Students who request for leave of absence:

1. Submit a request for leave of absence online and printout the requested form at www.reg.cmu.ac.th
2. Sign on the form and obtain approval of advisor, including with the agreement of his/her parents.
3. Present the form at the Educational Services Section at the respective faculty. Approvals from the dean are required.
4. Contact the Registration Counter Service, Registration Office to pay the fees.
5. Present the receipt at the Educational Services Section at the respective faculty.

Important Information about

1. Course Code
2. Course Title
3. Credit Points
4. Prerequisite
5. Course Description

Sample

(**Econ 101**) 1 (**Principles of Economics I**) 2 (**3(3-0-6)**) 3

pre : None

Basic concepts in economics. Elementary price theory. Theory of consumer behavior. Production theory and factors of production. Microeconomic policy.

Econ 102 Principles of Economics II   3(3-0-6)

Pre : ECON 101

National Income and national product. Income determination. Money and price level. Macroeconomic policy. International economics.

3

**Econ 409 Research Exercise in Current Economic Issues (3(0-18-0))
Pre : ECON 408**

An individual research exercise on current economic issues under general guidance and supervision of instructor.

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Course Enrollment Handbook

Enrollment Website

COURSE ENROLLMENT HANDBOOK

CMU Registration office handbooks /guidelines

Thai version

English version

Announcement by the Registration Office
Procedure for Course Withdrawal with Grade W via Online System

The registration office has changed the procedure for course withdrawal with grade W from paper-based to online system. This system will be deployed from the summer session of the academic year 2018 and onward.

The procedure for course withdrawal with grade W is as follows:

1. Students are allowed to withdraw a course(s) with grade W during the specific period of times for course withdrawal with grade W scheduled under the Academic Calendar for the Academic Year.

2. At the registration office website, www.reg.cmu.ac.th, click on the menu "For Current Student" and sign in with CMU IT @cmu.ac.th account.

3. After logging in successfully, choose "Course withdrawal with grade W" from the main menu. Students may select a course(s) to withdraw, then the request will be sent to the academic advisor to review. The withdrawal is completed after the advisor has approved the request through the system. It is students' responsibility to follow up with the decision from the system and their advisors. Students should expect the result to be in within 5 business days from the system.

4. The results from academic advisors can be "Approved", "Disapproved" or "See your advisor" for each individual course. The meanings of each result are as follows:

"Approve" means the advisors have approved on the withdrawal request and the grade W will be granted for that course.

"Disapprove" means the advisors have disapproved on the withdrawal request and the grade W will NOT be granted for that course. The request is hereby canceled.

"See your advisor" means the advisors have requested the students to see or contact for consulting before making decisions. In this case, the advisors can change their decisions to "Approved" or "Disapproved" later on within a period from the first day of the course withdrawal with grade W and up to 5 business days after the last day of the course withdrawal with grade W. Unchanged decision will result in an incomplete process and a cancellation of student's request. Students must complete all requirements for course evaluation.

5. Students are able to withdraw a course that the request has been disapproved or that the approved withdrawal has been canceled within the specific period of times for course withdrawal with grade W scheduled under the Academic Calendar for the Academic Year. If the decisions of "Approved" or "Disapproved" have been made within 5 business days after the last day of the course withdrawal with grade W. The decision is final and cannot be canceled.

Registration Office hereby announces this procedure for public acknowledgement. This announcement was made on May 24, 2019.

Signed Weenun Bundithya
(Asst. Prof. Weenun Bundithya)
Director of the Registration Office

<u>Important!</u>

Please make sure that you finally click 'SUBMIT' your request in order to make your request complete. Otherwise, your withdrawal will not be complete.

After the registration period you cannot delete courses from your registration but you may withdraw from courses.

Course withdrawal means:

- The course will remain on your transcript
- You will receive a grade of W (withdrawal)
-

Before withdrawing from a course, consider:

- The impact on your degree program. Please talk to your advisor or to an officer in the Academic Affairs.
- Last date to withdraw from a course. Please check it carefully.

Students can withdraw from course(s) online through the website of the registration office at: https://www1.reg.cmu.ac.th/registrationoffice/

STUDENTS APPLYING FOR THEIR DEGREES

At the Faculty	At Registration Office
Date	Date ....
1. Add Line official called Graduation .../..... **Inform your name, family name, and student ID in the line chat.**	1. Fill information online through the website of registration office. www1.reg.cmu.ac.th/reg-grad
2. Enter the graduation expectation website **- Sign in with CMU IT Account** **- Fill your personal information** **- Thoroughly check the list of courses you have taken and fill all courses you take in the current semester** **- Download and print out the form** **- Sign your name and attach your photo in the form** *** * If there is any mistakes in filling information happened later, you will liable for all consequences by conforming to the university rules and proceed graduation application in the next semester instead.****	2. Carefully check your information - Name and family name - Date of Birth - Degree title (international program students do not have minor) - Address for document shipping - Copies of documents
	3. Pay for the graduation application fee via QR CODE. (Shown in the document printed from the website) - 1,500 THB for Graduation Application Fee (Except those who have applied for graduation in the previous semester) - Fee for graduation certificate and transcript copies
3. Contact your advisor for checking your form and signing the form for you. (Original OR digital signature is acceptable.)	4. Check your name in the list of students who complete all required procedures from graduation application through the LINE official.
4. Submit a graduation application form to the program coordinator.	Notes: - Students who has done the graduation application in the previous semester but failed to graduate within that semester, you are required to follow the steps in this semester all over again. - Students, who are expected to graduate in this semester but do not have to enroll any courses, are required to enroll for **university services** instead.
5. <u>Complete the graduation expectation procedures required in the annoucement of the registration office. Otherwise, you will not be able to graduate in this semester.</u>	**Caution!** - Students must have no debts to the university. (Student loans / Fine - compensation to the library)
6. Follow up and check your name from the list of graduation applicants that complete	- **Students with ID 61**... onwards must take **_CMU-eGrad_** for your graduation.

the procedures in each day. It could be checked in the line official.
 ** In case that there is not your name in the list or any problems are occurred in your graduation application. You will have to contact staff at the office of academic affairs and registration office. This action must be done within the timeframe based on the annoucement of graduation application. If you fail to do so, your graduation application would be postponed to the next semester instead.**
	- For course(s) that you got P, you **DO NOT** have to
	   enroll again in this semester.
	- For course(s) that you got U, you **will have to**
	   enroll again in this semester.
	- Please aware of choosing courses out of the
	  curriculum structure.
	- For filling a graduation application form, please carefully check your grade(s) of the activity courses shown on the **registration office website only**.

Notes:

1 **CMU-eGrad** test is *required* for the graduation.
2 Students expecting to graduate for undergraduate level (student code 50...onward) who have P, I grades on records and/or not registered for courses in semester they expect to graduate, have to enroll for university services.
3 Graduation Approval for undergraduate level by University Council three times per year: the end of first semester, the end of second semester and the end of summer session.
4 A commencement ceremony is held once a year, normally during the month of January. The graduate will be informed of the exact date by post mail and online at Registration Office website.

CURRICULUM STRUCTURE

for Bachelor of Economics (International Program),

Special Problem (Academic) Track

Special Problem (Academic) Track	a minimum of	135 credits
(1) General Education	**a minimum of**	**30 credits**
- Learner Person Group	a minimum of	18 credits
Compulsory Course		15 credits
Elective Course	a minimum of	3 credits
- Innovative Co-creator Group	a minimum of	3 credits
- Active Citizen	a minimum of	9 credits
Compulsory Course		3 credits
Elective Course	a minimum of	6 credits
(2) Field of Specialization	**a minimum of**	**99 credits**
- Core Course	a minimum of	33 credits
- Major Course	a minimum of	66 credits
Compulsory		45 credits
Elective	a minimum of	21 credits
- Minor Course (If any)	a minimum of	15 credits
(3) Free Elecrive	**a minimum of**	**6 credits**

Courses For Special Problem (Academic) Track

(1) General Education	**a minimum of**	**30 credits**

1.1 Learner Person Group		**a minimum of**	**18 Cr**
Compulsory Course			**15 Cr**
001101	Fundamental English 1		3 Cr
001102	Fundamental English 2		3 Cr
001201	Critical Reading and Effective Writing		3 Cr
001228	English for Business and Economics		3 Cr
And choose one course from the following courses			
204100	Information Technology and Modern Life)		3 Cr
261111	Internet and Online Community		3 Cr
953111	Software for Everyday Life		3 Cr
Elective Course		**a minimum of**	**3 Cr**
Choose at least one course from the following courses			3 Cr
359206	Landscape, Environment, Behaviors, and Minds		3 Cr
888102	Big Data for Business		3 Cr

1.2 Innovative Co-creator Group		**a minimum of**	**3 Cr**
703103	Introduction to Entrepreneurship and Business		3 Cr

1.3 Active Citizen		**a minimum of**	**9 Cr**
Compulsory Course			**3 Cr**
140104	Citizenship		

Elective Course	a minimum of	**6 Cr**
Choose at least 2 courses from the following courses		
154104	Environmental Conservation	3 Cr
159151	Lanna Society and Culture	3 Cr
951100	Modern Life and Animation	3 Cr

(2) Field of Specialization	**a minimum of**	**99 Cr**
- Core Course	**a minimum of**	**33 Cr**
206171	General Mathematics I	3 Cr
208271	Elementary Statistics for Social Sciences I	3 Cr
701100	Elementary Accounting	3 Cr
888111	Innovative Entrepreneurship Theory and Practice	3 Cr
888121	Digital Economy	3 Cr
888147	Innovation for Entrepreneur	3 Cr

Choose elective courses at least 15 credits among the following courses:

154281	Economic Geography	3 Cr
176101	Introduction to Law	3 Cr
703322	Communication for Business Results	3 Cr
751325	American Marketing Economics	3 Cr
751419	Economic Theory and Entrepreneurship	3 Cr
751447	Seminar in Current Economic Problems	3 Cr
954140	Information Technology Literacy	3 Cr
0012..	Elective English course above 200 level	3 Cr

- Major Course	**a minimum of**	**66 Cr**

Of all major course (no. 1 and no. 2) at least 36 credits must be courses above 300 level and at least 18 credits must be course of 400 level

1) Compulsory		**45 Cr**
751106	Principles of Economics	3 Cr
751202	History of Economic Thought	3 Cr
751209	Introduction to Mathematical Economics	3 Cr
751301	Microeconomic Theory I	3 Cr
751302	Microeconomic Theory II	3 Cr
751303	Public Finance	3 Cr
751304	Economic Statistics	3 Cr
751305	Econometric I	3 Cr
751308	Macroeconomic Theory I	3 Cr
751309	Macroeconomic Theory II	3 Cr
751401	International Economics	3 Cr
751403	Econometrics II	3 Cr
751405	Theory of Economic Development	3 Cr
751408	Research Methods in Economics	3 Cr
751409	Research Exercise in Current Economics Issues	3 Cr

2) Elective   **a minimum of**   **21 Cr**

Choose the following major elective courses

751220	Economic History	3 Cr
751320	International Business Economics	3 Cr
751321	Community Economic Development	3 Cr
751322	International Political Economy	3 Cr
751323	Modern Chinese Economy	3 Cr
751326	ASEAN Economy in the Global Economic Context	3 Cr
751327	ICT Economics and Telecommunications Policy	3 Cr
751330	Money and Banking	3 Cr
751332	Monetary Theory	3 Cr
751340	Introduction to Agricultural Economics	3 Cr
751342	Land Economics	3 Cr
751345	Transportation Economics	3 Cr
751347	Cooperative Economics	3 Cr
751411	The Economics of European Economic Integration	3 Cr
751413	Introduction to Input-Output Analysis	3 Cr
751414	Introduction to Applied Econometrics	3 Cr
751416	Mathematical Economics	3 Cr
751417	Managerial Economics	3 Cr
751418	Business Cycle Theory	3 Cr
751420	International Finance	3 Cr
751421	Economics of Investment	3 Cr
751422	Technical Analysis for Investment	3 Cr
751424	Economic Development of Developing Countries	3 Cr
751425	Economic Growth	3 Cr
751427	Economic Planning	3 Cr
751428	Political Economy	3 Cr
751429	Comparative Economic System	3 Cr
751434	Commercial Banking	3 Cr
751437	Tax System	3 Cr
751440	Labor Economics	3 Cr
751441	Economics of Water Resources	3 Cr
751442	Regional Economics	3 Cr
751443	Industrial Economics	3 Cr
751444	Urban Economics	3 Cr
751445	Natural Resource Allocation and Policy	3 Cr
751446	Economy of Thailand	3 Cr
751448	Seminar in Global Investment Issues	3 Cr
751451	Health Economics	3 Cr

- Minor Course (If any)   **a minimum of**   **15 Cr**
(3) Free Elecrive   **a minimum of**   **6 Cr**
Total   **a minimum of**   **135 Cr**

RECOMMENDED STUDY PLAN

Bachelor of Economics (International Program),
Special Problem (Academic) Track

YEAR 1

Semester 1		Credit
001101	Fundamental English 1	3
206171	General Mathematics 1	3
751106	Principles of Economics	3
888121	Digital Economy	3
....	A Compulsory Course in Learner Person Group (204100 or 261111 or 953111)	3
....	An Elective Course in Learner Person Group (359206 or 888102)	3
	Total	**18**

Semester 2		Credit
001102	Fundamental English 2	3
701100	Elementary Accounting 1	3
703103	Introduction to Entrepreneurship and Business	3
751202	History of Economic Thought	3
751209	Introduction to Mathematical Economics	3
888111	Innovative Entrepreneurship Theory and Practice	3
	Total	**18**

YEAR 2

Semester 1		Credit
001201	Critical Reading and Effective Writing	3
208271	Elementary Statistics for Social Sciences 1	3
751301	Microeconomic Theory 1	3
751308	Macroeconomic Theory 1	3
888147	Innovation for Entrepreneur	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
	Total	**18**

Semester 2		Credit
001228	English for Business and Economics	3
751302	Microeconomic Theory 2	3
751304	Economic Statistics	3
751309	Macroeconomic Theory 2	3
140104	Citizenship	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
	Total	**18**

YEAR 3

Semester 1		Credit
751305	Econometrics 1	3
751408	Research Methods in Economics	3
....	An Elective Course in Active Citizen Group (154104 or 159151 or 951100)	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
751 ...	Major Elective Course	3
751 ...	Major Elective Course	3
	Total	**18**

Semester 2		Credit
751303	Public Finance	3
751403	Econometrics 2	3
751409	Research Exercise in Current Economics Issues	3
....	An Elective Course in Active Citizen Group (154104 or 159151 or 951100)	3
751 ...	Major Elective Course	3
....	Free Elective Course	3
	Total	**18**

YEAR 4

Credit

751405	Theory of Economic Development	3
751...	Major Elective Course	3
7514..	Major Elective Course (at 400 level or above)	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
	Total	**15**

Semester 2   **Credit**

751401	International Economics	3
7514..	Major Elective Course (at 400 level or above)	3
7514..	Major Elective Course (at 400 level or above)	3
....	Free Elective Course	3
	Total	**12**

CURRICULUM STRUCTURE

for Bachelor of Economics (International Program),

Cooperative Education Track

Cooperative Education Track	**a minimum of**	**132 credits**
(1) General Education	**a minimum of**	**30 credits**
- Learner Person Group	a minimum of	18 credits
Compulsory Course		15 credits
Elective Course	a minimum of	3 credits
- Innovative Co-creator Group	a minimum of	3 credits
- Active Citizen	a minimum of	9 credits
Compulsory Course		3 credits
Elective Course	a minimum of	6 credits
(2) Field of Specialization	**a minimum of**	**96 credits**
- Core Course	a minimum of	33 credits
- Major Course	a minimum of	63 credits
Compulsory		42 credits
Elective	a minimum of	21 credits
- Minor Course (If any)	a minimum of	15 credits
(3) Free Elecrive	**a minimum of**	**6 credits**

Courses For Cooperative Education Track

(1) General Education	**a minimum of**	**30 credits**
1.1 Learner Person Group	**a minimum of**	**18 Cr**
Compulsory Course		**15 Cr**
001101 Fundamental English 1		3 Cr
001102 Fundamental English 2		3 Cr
001201 Critical Reading and Effective Writing		3 Cr
001228 English for Business and Economics		3 Cr
And choose one course from the following courses		
204100 Information Technology and Modern Life)		3 Cr
261111 Internet and Online Community		3 Cr
953111 Software for Everyday Life		3 Cr
Elective Course	**a minimum of**	**3 Cr**
Choose at least one course from the following courses		3 Cr
359206 Landscape, Environment, Behaviors, and Minds		3 Cr
888102 Big Data for Business		3 Cr
1.2 Innovative Co-creator Group	**a minimum of**	**3 Cr**
703103 Introduction to Entrepreneurship and Business		3 Cr
1.3 Active Citizen	**a minimum of**	**9 Cr**
Compulsory Course		**3 Cr**
140104 Citizenship		
Elective Course	**a minimum of**	**6 Cr**

Choose at least 2 courses from the following courses

154104	Environmental Conservation	3 Cr
159151	Lanna Society and Culture	3 Cr
951100	Modern Life and Animation	3 Cr

(2) Field of Specialization	**a minimum of**	**99 Cr**
- Core Course	**a minimum of**	**33 Cr**
206171	General Mathematics I	3 Cr
208271	Elementary Statistics for Social Sciences I	3 Cr
701100	Elementary Accounting	3 Cr
888111	Innovative Entrepreneurship Theory and Practice	3 Cr
888121	Digital Economy	3 Cr
888147	Innovation for Entrepreneur	3 Cr

Choose elective courses at least 15 credits among the following courses:

154281	Economic Geography	3 Cr
176101	Introduction to Law	3 Cr
703322	Communication for Business Results	3 Cr
751325	American Marketing Economics	3 Cr
751419	Economic Theory and Entrepreneurship	3 Cr
751447	Seminar in Current Economic Problems	3 Cr
954140	Information Technology Literacy	3 Cr
0012..	Elective English course above 200 level	3 Cr

- Major Course	**a minimum of**	**66 Cr**

Of all major course (no. 1 and no. 2) at least 36 credits must be courses above 300 level and at least 18 credits must be course of 400 level

1) Compulsory		**45 Cr**
751106	Principles of Economics	3 Cr
751202	History of Economic Thought	3 Cr
751209	Introduction to Mathematical Economics	3 Cr
751301	Microeconomic Theory I	3 Cr
751302	Microeconomic Theory II	3 Cr
751303	Public Finance	3 Cr
751304	Economic Statistics	3 Cr
751305	Econometric I	3 Cr
751308	Macroeconomic Theory I	3 Cr
751309	Macroeconomic Theory II	3 Cr
751401	International Economics	3 Cr
751403	Econometrics II	3 Cr
751405	Theory of Economic Development	3 Cr
751408	Research Methods in Economics	3 Cr

2) Elective	**a minimum of**	**21 Cr**
751449	Cooperative Education	6 Cr

Choose at least 15 credits of the following major elective courses

751220	Economic History	3 Cr

751320	International Business Economics	3 Cr
751321	Community Economic Development	3 Cr
751322	International Political Economy	3 Cr
751323	Modern Chinese Economy	3 Cr
751326	ASEAN Economy in the Global Economic Context	3 Cr
751327	ICT Economics and Telecommunications Policy	3 Cr
751330	Money and Banking	3 Cr
751332	Monetary Theory	3 Cr
751340	Introduction to Agricultural Economics	3 Cr
751342	Land Economics	3 Cr
751345	Transportation Economics	3 Cr
751347	Cooperative Economics	3 Cr
751411	The Economics of European Economic Integration	3 Cr
751413	Introduction to Input-Output Analysis	3 Cr
751414	Introduction to Applied Econometrics	3 Cr
751416	Mathematical Economics	3 Cr
751417	Managerial Economics	3 Cr
751418	Business Cycle Theory	3 Cr
751420	International Finance	3 Cr
751421	Economics of Investment	3 Cr
751422	Technical Analysis for Investment	3 Cr
751424	Economic Development of Developing Countries	3 Cr
751425	Economic Growth	3 Cr
751427	Economic Planning	3 Cr
751428	Political Economy	3 Cr
751429	Comparative Economic System	3 Cr
751434	Commercial Banking	3 Cr
751437	Tax System	3 Cr
751440	Labor Economics	3 Cr
751441	Economics of Water Resources	3 Cr
751442	Regional Economics	3 Cr
751443	Industrial Economics	3 Cr
751444	Urban Economics	3 Cr
751445	Natural Resource Allocation and Policy	3 Cr
751446	Economy of Thailand	3 Cr
751448	Seminar in Global Investment Issues	3 Cr
751451	Health Economics	3 Cr

- Minor Course (If any)	**a minimum of**	**15 Cr**
(3) Free Elecrive	**a minimum of**	**6 Cr**
Total	**a minimum of**	**132 Cr**

RECOMMENDED STUDY PLAN
Bachelor of Economics (International Program),
Cooperative Education Track

YEAR 1

Semester 1		Credit
001101	Fundamental English 1	3
206171	General Mathematics 1	3
751106	Principles of Economics	3
888121	Digital Economy	3
....	A Compulsory Course in Learner Person Group (204100 or 261111 or 953111)	3
....	An Elective Course in Learner Person Group (359206 or 888102)	3
	Total	**18**

Semester 2		Credit
001102	Fundamental English 2	3
701100	Elementary Accounting 1	3
703103	Introduction to Entrepreneurship and Business	3
751202	History of Economic Thought	3
751209	Introduction to Mathematical Economics	3
888111	Innovative Entrepreneurship Theory and Practice	3
	Total	**18**

YEAR 2

Semester 1		Credit
001201	Critical Reading and Effective Writing	3
208271	Elementary Statistics for Social Sciences 1	3
751301	Microeconomic Theory 1	3
751308	Macroeconomic Theory 1	3
888147	Innovation for Entrepreneur	3
....	Elective Core Course (154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	3
	Total	**18**

Semester 2		Credit
001228	English for Business and Economics	3
751302	Microeconomic Theory 2	3
751304	Economic Statistics	3
751309	Macroeconomic Theory 2	3
140104	Citizenship	3
....	Elective Core Course	3
	(154281 or 176101 or 703322 or 751325	
	or 751419 or 751447 or 954140 or 0012..)	
	Total	**18**

YEAR 3

Semester 1		Credit
751305	Econometrics 1	3
751408	Research Methods in Economics	3
....	An Elective Course in Active Citizen Group	3
	(154104 or 159151 or 951100)	
....	Elective Core Course	3
	(154281 or 176101 or 703322 or 751325	
	or 751419 or 751447 or 954140 or 0012..)	
751 ...	Major Elective Course	3
751 ...	Major Elective Course	3
	Total	**18**

Semester 2		Credit
751303	Public Finance	3
751403	Econometrics 2	3
....	An Elective Course in Active Citizen Group	3
	(154104 or 159151 or 951100)	
751 ...	Major Elective Course	3
751 ...	Major Elective Course	3
....	Free Elective Course	3
	Total	**18**

YEAR 4

Semester 1		Credit
751401	International Economics	3
751405	Theory of Economic Development	3
751...	Major Elective Course	3
....	Elective Core Course	3
....	Elective Core Course	3
	(154281 or 176101 or 703322 or 751325 or 751419 or 751447 or 954140 or 0012..)	
....	Free Elective Course	3
	Total	**18**

Semester 2		Credit
751449	Cooperative Education	6
	Total	**6**

Course Descriptions

<u>**General Education**</u>

Learner Person Group

001101   **FUNDAMENTAL ENGLISH 1**   **3(3-0-6)**
Prerequisite: None

Communication in English for everyday interactions. Basic listening, speaking, reading and writing skills in various social and cultural contexts for life-long learning.

001102   **FUNDAMENTAL ENGLISH 2**   **3(3-0-6)**
Prerequisite: 001101

Communication in English for everyday interactions. More advanced listening, speaking, reading and writing skills in various social and cultural contexts for life-long learning.

001201   **CRITICAL READING AND EFFECTIVE WRITING**   **3(3-0-6)**
Prerequisite: 001102

English language skills for critical reading from different sources and media and effective writing on topics of students' interests.

001228   **ENGLISH FOR BUSINESS AND ECOBOMICS**   **3(3-0-6)**
Prerequisite: 001102

Specific language functions, components and skills for effective communication in business contexts.

204100   **INFORMATION TECHNOLOGY AND MODERN LIFE**   **3(2-2-5)**
Prerequisite: None

Computers in everyday life, Data processing and information management, Office automation software for modern life and Internet and webpage construction.

261111   **INTERNET AND ONLINE COMMUTINY**   **3(3-0-6)**
Prerequisite: None

Introduction to the Internet and online community. Computer technology and modern world. Selecting of online tools and services. Impact of the Internet in daily life. The Internet and cloud computing. Online businesses. Ethics in social networking. Analyzing of social networking data. Online investment. Legal aspects of the Internet and online community. Security and privacy in social networking. Case studies.

953111   **SOFTWARE FOR EVERYDAY LIFE**   **3(3-0-6)**
Prerequisite: None

The course will provide basic understanding of computer software: what it is and its role in improving our daily lives. Major areas of software applications and products popularly used today will be introduced including software for personal use to improve productivity and quality of life, for organizational enterprises to support business operations and management, and for education and research activities. Latest issues in today's software

industry such as career choices, ethics, future trends, and direction will also be surveyed to provide the overall picture of the field.

359206	**LANDSCAPE, ENVIRONMENT, BEHAVIORS, AND MINDS** **Prerequisite: None**	**3(3-0-6)**

Theories about landscape, nature, environment, and human behaviors; learning and analyzing data about human health and behaviors; importance and definitions of landscape aesthetics; landscape and stress management; landscape, cognitive ability, and success; landscape and social behaviors; using landscape in daily life for self-improvement; strategies for supporting environmentally-friendly behaviors.

888102	**BIG DATA FOR BUSINESS** **Prerequisite: None**	**3(3-0-6)**

Introduction to big data. Business problems and data science solutions. Basic tools for data mining. Predictive modelling. Clustering data. Decision analytic thinking. Visualizing model performance. Evidence and probabilities. Text mining.

Innovative Co-creator Group

703103	**INTRODUCTION TO ENTREPRENEURSHIP AND BUSINESS** **Prerequisite: None**	**3(3-0-6)**

Entrepreneur role in economics development country Entrepreneur and business opportunities. The characteristic of entrepreneur and motivation factors, environment, types of business, forms of business, business plans, principle of management, marketing management, production management, financial management, accounting, taxation, business law, international business and business ethics for entrepreneur.

Active Citizen Group

140104	**CITIZENSHIP** **Prerequisite: None**	**3(3-0-6)**

Meaning, definition and concept of citizenship. Rights, liberties and obligations of citizenship. Problems awareness of daily life at local, national and international levels. Creation of public mind and moral for social responsibility and social awareness. Citizenship and the way of life in plural and multicultural societies. Creating a positive and peaceful attitude to enable conflict resolution by peaceful means. Political expression under laws, regulations, social norms and communal practice. Citizenship and the understanding of cultural tradition and local history. Ethics and vocational citizen.

154104	**ENVIRONMENTAL CONSERVATION** **Prerequisite: None**	**3(3-0-6)**

Problems in the management and the utilization of natural resources with emphasis on soil, forest, water, minerals and wildlife, introducing some conservation methods and conservation measures necessary for Thailand.

159151   **LANNA SOCIETY AND CULTURE**   **3(3-0-6)**
Prerequisite: None

Historical background of Lanna. The formation and the end of Lanna states. House, village and principality in Lanna. Temples and Buddhism in Lanna. Rituals and belief in Lanna. Ethnic groups in Lanna. Muslim and Christian in Lanna. Language, music and arts in Lanna. Customary events in Lanna. Mueang or Tai Yuan people. Lanna and changes in globalized era. Lanna and neighbors in Mekong region.

951100   **MODERN LIFE AND ANIMATION**   **3(3-0-6)**
Prerequisite: None

Understanding in animation works and animated cinema. Evolution and forms of animation at present day. Idea and basic process of animation production, for instance, pre-production, production, and post-production. File utilization in presenting the animation projects of students. And the basic design of animation character.

Field of Specialization

Core Courses

154281   **ECONOMIC GEOGRAPHY**   **3(3-0-6)**
Prerequisite: None

Development, definition and the importance of economic geography. Primary economic activities, secondary economic activities and tertiary economic activities. Globalization and economic development.

176101   **INTRODUCTION TO LAW**   **3(3-0-6)**
Prerequisite: None

General characteristics of law: legislative process, various categories of law; interpretation of law; law and peace; law and morality; law enforcement and acceptance; law and the security of the citizen; legal rights; prescriptions; principal laws being enforced in Thailand.

206171   **GENERAL MATHEMATICS 1**   **3(3-0-6)**
Prerequisite: None

Matrices and systems of linear equations, linear programming, functions and graphs, limits and continuity of functions, the derivative, graph sketching and optimization.

208271   **ELEMENTARY STATISTICS FOR SOCIAL**   **3(3-0-6)**
        SCIENCES 1
Prerequisite: None

Statistical methodology, data analysis, random variables and probability distributions, probability distribution of discrete random variables, probability distribution of continuous random variables, analysis of time series data, sampling techniques.

701100   **Elementary Accounting 1**   **3(3-0-6)**
                    Prerequisite: None

Introduction to accounting, accounting definitions, accounting purposes, beneficial of accounting information, accounting framework, and accounting ethics. Accounting cycle, double-entry bookkeeping. Transaction analysis for merchandise and service. Journalizing in general journal and special journals, posting, trial balance, working papers, accounting adjustment, closing entries, and financial statement preparation, Bank reconciliation and petty cash.

703322   **COMMUNICATION FOR BUSINESS RESULTS**   **3(3-0-6)**
                    Prerequisite: None

Communication for innovative business development, company and team building, market analysis survey, competitive advantages and marketing mix. Communication for job skills, resume and cover letter writing and interviewing, problems discussion and solutions for social enterprises.

751325   **AMERICAN MARKETING ECONOMICS**   **3(3-0-6)**
                    Prerequisite: 3rd year standing

American Marketing Economics: Cultures and consumers' behaviors. Practical analysis of the middle and high-end consumers. Empirical analysis of particular American markets. Tailoring products for American markets. Import regulations and products-standards. Markets-entries and strategies for various businesses.

751419   **ECONOMIC THEORY AND**   **3(3-0-6)**
                    ENTREPRENEURSHIP
                    Prerequisite: 3rd year standing

General concepts of economic theory and entrepreneurship. Behavior and characteristics of entrepreneurs. Creation of new ideas in doing business for potential entrepreneurs. Entrepreneurial opportunities in small and medium enterprises (SMEs). Case studies of entrepreneurial success in progress.

751447   **SEMINAR IN CURRENT ECONOMIC PROBLEMS 3(3-0-6)**
                    Prerequisite: third year standing; for Economics
                    students only

A general survey of current economic problems affecting economic progress and stability with special emphasis on Thailand.

888111   **INNOVATIVE ENTREPRENEURSHIP THEORY**   **3(3-0-6)**
                    AND PRACTICE
                    Prerequisite: None

Evolutionary development of innovative entrepreneurship. Financial preparation for innovative entrepreneurial ventures. Social entrepreneurship and the global environment for innovative entrepreneurship. Creativity and innovation. Marketing challenges for innovative entrepreneurial ventures. Ethical and socially-responsible innovative entrepreneurship. Effective innovative business plan development. Business pitching.

Economics for innovative entrepreneurship. Creation and protection of intellectual property. Technology for innovative entrepreneurship.

888121	DIGITAL ECONOMY	3(3-0-6)
	Prerequisite: None	

Digital economy. Concept and theory in digital economy. Game theory in digital economy. Current issues in digital economy. Decision making process in digital economy. Case study. Group assignment and presentation.

888147	INNOVATION FOR ENTREPRENEUR	3(3-0-6)
	Prerequisite: None	

Introduction to innovation for entrepreneur. Seeking for opportunities in business. Finding resources to startup new business. Assessing business startup idea.

954140	INFORMATION TECHNOLOGY LITERACY	3(3-0-6)
	Prerequisite: None	

Information technology and its impacts on society. Component of information technology system. Data processing. Introduction to data communication and computer network. Internet, intranet and extranet.

Major Courses

751106	PRINCIPLE OF ECONOMICS	3(3-0-6)
	Prerequisite: None	

Basic concepts in microeconomics and macroeconomics. Market structures, demand, supply and equilibrium. Elasticity of demand and supply. Social welfare, market efficiency and microeconomic policies. Economy and national income. Economic growth and aggregated indicators. Monetary and Fiscal policies. Open economy and current macroeconomic issues.

751202	HISTORY OF ECONOMIC THOUGHT	3(3-0-6)
	Prerequisite: 751102 or 751106 or consent of the faculty	

A survey of economic thoughts from ancient days through contemporary economics. Biblical times, Greek and Roman, English-French-German. Mercantilism, Physiocrats and their doctrine. Philosophers, disciples, influence and criticism of Classical Economics, Marginal utility Economics. Ideal an scientific of Socialism, Keynesian Economics, Business cycletheorist, price theorist, the old and new Welfare Economics.

751209	**INTRODUCTION TO MATHEMATICAL ECONOMICS**	3(3-0-6)

Prerequisite: 751102 or 751106; and 206171; or consent of the faculty

This course aims at furnishing the students of understand, as an introductory course, quantitative techniques of economics both in mathematical contexts and as an application to economic problems. It covers the nature of mathematical economics, economic models, types of economic functions, static (or equilibrium) analysis, comparative statics analysis. Maximal and minimal, differentials, dynamic analysis, matrix algebra, difference and differential equations.

751220	**ECONOMIC HISTORY**	3(3-0-6)

Prerequisite: 751102 or 751106

Development of European agriculture, industry, finance and international trade since 1750: growth of U.S. economy. A historical survey of the economic growth of some major Asian countries, and Thailand, with emphasis on the development of agriculture, industry, finance and international trade.

751301	**MICROECONOMIC THEORY 1**	3(3-0-6)

Prerequisite: 751101 or 751106; and 206171; or consent of the faculty

Consumer behavior, demand, supply, market price, price elasticities, classical utility and consumer demand, indifferent-curve analysis and modern utility theory. Theory of the firm: firm and its decisions. Theory of production, choices of inputs and outputs, cost function and basic concepts of linear programming.

751302	**MICROECONOMIC THEORY 2**	3(3-0-6)

Prerequisite: 751301

Price determination and policy in different forms of market. Competitive pricing, general equilibrium and economic welfare, monopoly pricing, price discrimination, pricing in imperfect competition and prices of factor of production.

751303	**PUBLIC FINANCE**	3(3-0-6)

Prerequisite: 751301

Revenue and expenditure activities of government. It deals with budgets, taxes, government expenditures and public debts. Effects of budgets on the economy, particularly the effects on the achievements of the major economic objectives; growth, stability, equity and efficiency.

751304	**ECONOMIC STATISTICS**	3(3-0-6)

Prerequisite: 751102 or 751106; and 208271; or consent of the faculty

This course is intended to emphasize the application of statistics to economic analysis: index numbers, time series, correlation and regression analysis, the method of least squares, simple and multiple regression.

751305   **ECONOMETRICS 1**   **3(3-0-6)**
                Prerequisite: 206172 and 208272; or 751304

A review of matrices and statistics, Introduction to econometric models and techniques, The ordinary least squares estimators, Testing the assumptions of ordinary least squares estimators, Generalized least squares, Dummy dependent variable models, and non linear estimators.

751308   **MACROECONOMIC THEORY 1**   **3(3-0-6)**
                Prerequisite: 751102 or 751106 or consent of the faculty

National income concepts, Static and dynamic theories of determination of national income and employment and of business fluctuations.

751309   **MACROECONOMIC THEORY 2**   **3(3-0-6)**
                Prerequisite:751308

Fundamentals of Growth Economics. Problems of controlling economic activity Monetary and fiscal policies for promoting economic. Stability and growth.

751320   **INTERNATIONAL BUSINESS ECONOMICS**   **3(3-0-6)**
                Prerequisite: 751308

Principle of international business economics. International business strategies in current economic situations. The US, EU, Chinese, Japanese, Russian and Middle East markets, cultures and consumers' behaviors. Import regulations and products-standards. Markets-entries. Political economy between the US, EU, China, Japan, Russia, Middle East and major countries such as India, Korea and others that affect international business.

751321   **COMMUNITY ECONOMIC DEVELOPMENT**   **3(3-0-6)**
                Prerequisite: 751102 or 751106

Conceptual frame work of community economic development including the study of the past and present economic structures of Thailand, the sustainable development, the community economic development, the development of community economic development in Thailand, impacts of globalization and community adjustment.

751322   **INTERNATIONAL POLITICAL ECONOMY**   **3(3-0-6)**
                Prerequisite: 751202

Political economy between the Middle East, US. and Europe. The ongoing wars: Seizure of natural resources. Strategic, economic and political alliances. Analysis of integrated impacts of the international political economy on global and Thai economies; applied strategies.

751323   **MODERN CHINESE ECONOMY**   **3(3-0-6)**
                Prerequisite: third year standing

Understanding modern China: The historical turning points. Reform and economic development. Business opportunities and joint-venture potentials in China: Successful case studies. Building brands and niche products for Chinese markets.

751326   **ASEAN ECONOMY IN THE GLOBAL ECONOMIC   3(3-0-6) CONTEXT**
Prerequisite: 751100 or 751102 or 751106

Introduction of the structure of the integration of the countries in the region. Structure of ASEAN and challenges of ASEAN Economic Community (AEC). Economic structure of ASEAN's member countries and ASEAN. Linkages of logistic, commercial and financial interests of the countries of ASEAN countries and others. Roles of ASEAN integration in trade and investment aspects. Context of normative and legal issues and problems of ASEAN in economic, trade, financial, social, political, and cultural aspects related to Thailand's roles in ASEAN platform. Obstacles and challenges of ASEAN integration and ASEAN economic policy in the future. Case study of current issues of ASEAN countries.

751327   **ICT ECONOMICS AND**   **3(3-0-6) TELECOMMUNICATIONS POLICY**
Prerequisite: 751301

Economic, sociological and psychological aspects of consumer behavior, in reference to the latest trend in telecommunication, information and communication markets and technologies. Business orientations in such a rapidly changing area as telecommunication services and ICT. The goal of this course is to acquire theoretical foundations and some application abilities for analyzing consumer's behavior in the face of the emergence and diffusion of new services such as ICT and innovation as well as introducing telecommunication policies and regulations.

751330   **MONEY AND BANKING**   **3(3-0-6)**
Prerequisite: 751102 or 751106 or consent of the faculty

The nature and function of money and finance; the role of money, kinds of money, monetary standards, debt, credit and finance instruments, finance, intermediaries, Commercial banking system and policy. The role of central bank, central banking system of the U.S.A., U.K. and Thailand. Instruments of monetary policy. Monetary policy and fiscal policy. Money market and capital market. Credit market in Thailand.

751332   **MONETARY THEORY**   **3(3-0-6)**
Prerequisite: 751308

Meaning, changes, measurement and importance of changes of the value of money. The early and improved Quantity Theory, the equation of exchange and the demand for money. Rate of interest, loanable funds and liquidity preference theory. Keynes' Monetary Theory, money market and IS LM curves, money and industrial fluctuations, monetary policy and its practice.

751340   **INTRODUCTION TO AGRICULTURAL**   **3(3-0-6) ECONOMICS**
Prerequisite: 751102 or 751106

General ideas in agricultural economics; land capital labor and management. Present farm management in Thailand. Land tenure, systems and types of farming, farm organization and management. Agricultural credit. Demand, supply and marketing of agricultural products. Problems in agricultural economics.

751342   **LAND ECONOMICS**   **3(3-0-6)**
Prerequisite: 751102 or 751106

Man and land, the supply of land for economic use, population pressure and demand for land. Land resource requirement, input-output relationships affecting, land use and economic returns to land resource. Land resource development decisions, conservation and values of land resource and the real estate market. Impact of institutional factors on land use. Planning and public measures for directing land use.

751345   **TRANSPORTATION ECONOMICS**   **3(3-0-6)**
Prerequisite: 751102 or 751106

Transportation and economy, scope of transportation economy, transport location, transportation efficiency, land rent and transportation, transportation consideration, importance of transportation.

751347   **COOPERATIVE ECONOMICS**   **3(3-0-6)**
Prerequisite: 751102 or 751106

Historical development, idea and definition of cooperative. Rochdate principles and principles of different types of cooperative organization, comparison of cooperative to other economic systems and to other types of business organization. Development and cases study in cooperative problems in Thailand Cooperative and the social and economic development of Thailand. Cooperative movement in selected countries. The preliminary cooperative organization work Cooperatives and their worldwide status.

751401   **INTERNATIONAL ECONOMICS**   **3(3-0-6)**
Prerequisite: 751301 and 751308; or consent of the
faculty

This course is intended to provide general concepts and theories of international trade, and related problems. Pure and monetary aspect of international theories. International migration of factors of production: labor and capital movement and the effect of factor migration. Economic integration among developing countries.

751403   **ECONOMETRICS 2**
Prerequisite: 751305   **3(3-0-6)**

Basic econometric tools, Econometrics for time series, cross sectional, and panel data, Econometric tools for other analyses.

751405   **THEORY OF ECONOMIC DEVELOPMENT**   **3(3-0-6)**
Prerequisite: 751308; or consent of the faculty

Concepts and theories related to the problems of economic growth in both developed and developing countries. A general survey of economic development theories from the classical era up to present and the comparison and evaluation of those theories.

751408 **RESEARCH METHODS IN ECONOMICS** **3(3-0-6)**
Prerequisite: 751301 and 751308; and 751304 or
751407

Basic procedures and methods of research in economic are considered from the standpoint of their applicability to problem solving and discovering of new scientific facts and generalizations in economic. Definition of the problem, statement of hypothesis, research design, data collection methods and data analysis constitute the major topics. Attention is given to proper style and preparation research reports in economics.

751409 **RESEARCH EXERCISE IN CURRENT** **3(3-0-6)**
ECONOMICS ISSUES
Prerequisite: 751408

An individual research exercise on current economics issues under general guidance and supervision of instructor.

751411 **THE ECONOMICS OF EUROPEAN ECONOMIC** **3(3-0-6)**
INTEGRATION
Prerequisite: 751401

Theoretical analysis of economic integration and review of relevant economic policies such as trade, agricultural, industrial, monetary and fiscal policies of the European Union. Impact of the integration on external relations with other countries.

751413 **INTRODUCTION TO INPUT-OUTPUT ANALYSIS** **3(3-0-6)**
Prerequisite: 751209

Concepts of Input-Output analysis and the applications of this technique to national economy. Methods and problems of constructing and Input-Output table.

751414 **INTRODUCTION TO APPLIED ECONOMETRICS** **3(3-0-6)**
Prerequisite: 751410

An introduction to stationary and nonstationary random variables. Estimation and hypothesis testing. An introduction to nonstationary univariate time series models. Developments of nonstationary univariate time series models. Stationary and nonstationarity in single-equation regression analysis. Endogeneity and the fully modified ordinary least squares estimator. Econometric theory applications to the demand for money, the term structure of interest rates, the Phillips curve, the exchange rate and purchasing power parity. Multivariate and cointegration. Application of multivariate models involving cointegration. Autoregressive conditional heteroscedasticity : modeling volatility.

751416 **MATHEMATICAL ECONOMICS** **3(3-0-6)**
Prerequisite: 751209

This courses approaches macroeconomic and micro-economic theories mathematically beyond the introductory course (ECON 209). It covers how economists think and how they approach some of the analytical problems by resorting to the model building approach using mathematical tools, emphasis on method of analysis.

751417   **MANAGERIAL ECONOMICS**   **3(3-0-6)**
            Prerequisite: 751209 and 751302; and 208271 or
            751304

The decision-making process involving the economic activities of a firm. These activities include: optimization techniques, demand analysis and forecasting, production and cost analysis, market structures and pricing, risk analysis and long-run planning, government policy and regulations, and the international economy.

751418   **BUSINESS CYCLE THEORY**   **3(3-0-6)**
            Prerequisite: 751308

Theories and concepts of business cycle, including an analytical survey of the history and nature of cyclical economic fluctuations, policies of economic stabilization. Relationship between business cycle theories and economic growth theory.

751420   **INTERNATIONAL FINANCE**   **3(3-0-6)**
            Prerequisite: 751401

Financial policies to maintain a monetary equilibrium in its foreign transactions. Choice among exchange rent regimes as the first step in making international policy. Free exchange rate and fixed exchange rate will be closely studied. The comparison study of internal equilibrium and external equilibrium; full employment at home or payments equilibrium.

751421   **ECONOMICS OF INVESTMENT**   **3(3-0-6)**
            Prerequisite: third year standing

Investment decision and economic variables. Uncertainty and decision making. Sources of information on investments. Introduction to security valuation using economic theory. Industry analysis using economic theory. Company analysis using economic theory. Bond market. Introduction to bond valuation. Introduction to financial derivatives and economic theory. Introduction to foreign exchange markets. Analysis of foreign exchange rates using economic theory. Application of financial derivatives and capital markets. Due diligence and initial public offerings. Mergers and acquisitions.

751422   **TECHNICAL ANALYSIS FOR INVESTMENT**   **3(3-0-6)**
            Prerequisite: third year standing

Dow theory. Basic concept of trends. Major reversal patterns. Moving averages. Relative strength index. Moving average convergence and divergence. Stochastics. Oscillator. Momentum.

751424   **ECONOMIC DEVELOPMENT OF DEVELOPING**   **3(3-0-6)**
            COUNTRIES
            Prerequisite: 751308

Basic characteristics of poor countries; obstacles to development; general requirements for development. Domestic policy issues; prospect for development and some topics for case studies.

751425   **ECONOMIC GROWTH**   **3(3-0-6)**
Prerequisite: 751209 and 751302 and 751309

Stylized facts related to economic growth, including the study of concepts and modern theories of economic growth, wealth accumulation and capital mobility, technological progress and economic growth, education and economic growth, and endogenous growth.

751427   **ECONOMIC PLANNING**   **3(3-0-6)**
Prerequisite: 751309

Types, methods and applications of planning. Concepts and significance of economic planning as relevant to economic development. Economic planning of Thailand. A survey of different approaches to economic planning in some other countries.

751428   **POLITICAL ECONOMY**   **3(3-0-6)**
Prerequisite: 751100 or 751102 or 751106

Fundamental concepts, structures, and system of political Economy. Political economic interpretation of authoriatianism, individualism, socialism, nationalism, and ethics. Thai economic system from political economic perspective. Political economic power concentration in Thai economic development and problems.

751429   **COMPARATIVE ECONOMIC SYSTEM**   **3(3-0-6)**
Prerequisite: 751202

Characteristics and functions of an economics system. Analysis of alternative patterns of economic control, planning and market structure. Experiences under capitalism, socialism and mixed economics. Consideration of their theories and philosophies.

751434   **COMMERCIAL BANKING**   **3(3-0-6)**
Prerequisite: 751330

Banking practice and policy; evaluation of Thai banking institutions, banking organization and management: deposits, loans, discounts, investments and negotiable instruments. Branch banking: special aspects of bank accounting: role of commercial bank financing in foreign trade; foreign exchange transaction interbank transaction and clearing system.

751437   **TAX SYSTEM**   **3(3-0-6)**
Prerequisite: 751102 or 751106

Principles and purpose of taxation. The effect of taxation upon the economy, tax base and tax rate. The shifting and incidence of taxation. Principles which regulate the incidence of taxes. Principles of some major taxes. Tax system of Thailand. The relationship of taxation and economic development. Taxation and economic statilization. Problems of taxation of developing countries. Tax as an instrument for fiscal policy.

751440   **LABOR ECONOMICS**   **3(3-0-6)**
Prerequisite: 751301

Introduction to labor economics, labor supply, labor demand, labor market equilibrium, wage structure, labor mobility, labor union, unemployment, labor policies and special topics in labor economics.

751441　　　　　**ECONOMICS OF WATER RESOURCES**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751209 and 751302; for major or by
　　　　　　　　　　consent of the faculty for non-major

The importance of water resources to the economy, an allocation of water resources for agricultural, municipal, industrial and environmental purposes, Roles of price mechanism and social institutions in water allocation, cost-benefit analysis, advantages in water resource development project, pollution and wastewater management, impacts of climate change on water resource managements, models of demand for surface and groundwater, river basins and watershed management and case studies.

751442　　　　　**REGIONAL ECONOMICS**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751302

Regional economic theories, interregional trade and factor mobility regional economic growth, regional economic analysis techniques, and regional planning.

751443　　　　　**INDUSTRIAL ECONOMICS**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751102 or 751106

Nature and scope of the process of industrialization, the patterns of industrial growth the structure and functioning of industries and industrial relation, location of industries.

751444　　　　　**URBAN ECONOMICS**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751302

Economic analysis of urban location, land-use, and economic growth. Problems of urban transportation, public finance, housing, poverty and environmental quality. Urban economic planning.

751445　　　　　**NATURAL RESOURCE ALLOCATION AND**　　　　**3(3-0-6)**
　　　　　　　　　　POLICY
　　　　　　　　　　Prerequisite: 751302

Policy analysis and allocation of natural resources to serve the target of national economic and social development.

751446　　　　　**ECONOMY OF THAILAND**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751301 and 751308

A study of the structure of the Thai economy in the past and at present. Analysis of the use of resources in production; expenditure on consumption and investment; foreign trade; economic and social development, economic statilization; including major economic problems.

751448　　　　　**SEMINAR IN GLOBAL INVESTMENT ISSUES**　　　　**3(3-0-6)**
　　　　　　　　　　Prerequisite: 751421 and 751422

Global investment issues are presented, analyzed, and discussed.

751449   **COOPERATIVE EDUCATION**   **6(0-30-**
             Prerequisite: third year standing   **0)**

Students are required to work in the organizations related to economics major for a minimum period of 16 weeks as a staff under the supervision of in-charge trainer(s) of the organizations and instructor(s) of the university. Grading will be given on satisfactory or unsatisfactory basis.

751451   **HEALTH ECONOMICS**   **3(3-0-6)**
             Prerequisite: 751301 and 751308

Basic concepts in health economics, public goods, externalities and health care services. Demand for and supply of health care, the economic evaluation of health programs. Technical efficiency, economic efficiency and cost of health care services. Resource allocation in health sector and the development of health. Health insurance, health care delivery   system   and   analysis   of   health   problems   in   Thailand.

Chiang Mai University Regulations on Undergraduate Study, B.E. 2561 (2018)

To ensure that the undergraduate study of Chiang Mai University remains efficient and in line with the objectives and principles of National Education Act B.E. 2542 (1999) and Amendments (Second National Education Act, B.E. 2545 (2002) and the Standard Criteria for Higher Education Curricula by the Ministry of Education,

by virtue of Article 25 (3) and (4) in Chiang Mai University Act, B.E. 2551 (2008), from the recommendations from the Academic Council and the resolutions from the Chiang Mai University Council's Meeting No. 7/B.E. 2561 held on July 21, 2018, the following regulations are issued.

1) This set of regulations is called "Chiang Mai University Undergraduate Study Regulations, B.E. 2561 (2018)".

2) This set of regulations is applied to undergraduate programs at Chiang Mai University from the academic year 2018 onwards, except

2.1 students enrolled in Doctor of Medicine, Doctor of Dentistry, Doctor of Pharmacy, Doctor of Veterinary Medicine, Bachelor of Medical Science and Bachelor of Veterinary Science, and

2.2 students enrolled prior to the academic year 2018.

3) Any rules, regulations, orders or announcements whose provisions are mentioned or are in conflict with the provisions in this set of regulations shall be replaced by the current set.

4) In this set of regulations:

"University" means Chiang Mai University;

"Faculty" means faculties, colleges or other designated academic units that offer teachings for degree programs under Chiang Mai University;

"Higher Education Institutions" means other higher education institutions accredited by the Office of the Higher Education Commission.

5) Admission requirements and conditions

5.1 Candidates must complete their high school education or equivalent, with the exception of those enrolled in continuing education who must complete the diploma study, higher certificate of education, high vocational certificate or equivalent; and must not possess any illnesses that hinder their study.

5.2 Candidates transferring from another Higher Education Institution must possess the qualifications stated in Regulation 5.1, and have studied in their former institution for at least 1 academic year.

5.3 Candidates studying for a second degree must complete a bachelor's degree or equivalent from a university or a Higher Education Institution.

5.4 Additional conditions are subject to the Faculty's or the program's requirements upon approval from the University.

6) Admission examination and selection process

6.1 The University shall hold an admission examination or a selection of candidates with the qualifications stated in Regulation 5 in batches, as specified by the University's rules or announcements.

6.2 The University may host an admission examination or a selection of candidates in response to the University Council's or the government's policies.

7) Student categories

7.1 Full-time students mean students meeting all of the requirements in Regulation 5 who are admitted into a full-time degree program.

7.2 Non-degree students are students from Higher Education Institutions that receive the approval by the University to enroll in undergraduate courses, register to use the services provided by the University, or conduct research, and are not entitled to a degree from the University.

8) Admission of transfer students

8.1 The University may consider admitting students transferring from domestic Higher Education Institutions or overseas Higher Education Institutions with the following criteria.

1) Candidates must possess a minimum of 24 accumulated credits of courses from their previous higher education institutions that are equivalent to the courses in the intended degree program; and a cumulative GPA of no less than 2.50 in the transferable courses. For credit transfer, the provision in Regulation 9 is applied mutatis mutandis. The number of credits must be no less than half of the total credits of the curriculum and the duration of study must not exceed two times of the study plan, counted from the first semester of enrollment at the previous higher education institution.

2) Transfer candidates must file the request to the University, using the indicated forms, and request their former higher education institutions to send their transcripts and the course descriptions of the completed courses to the University directly by no less than 45 days prior to the intended starting semester.

3) The University shall consider the transfer considered upon the approval of the related Faculty, Department or School, and/or Division. The number of admissions and the transfer acceptance are subject to the conditions indicated by the Faculty or Division.

8.2 Transfer acceptance of candidates from overseas Higher Education Institutions adheres to the University Announcement.

9) Grade transfer, credit transfer and equivalent credit transfer from formal education

9.1 Credit transfer from domestic and overseas Higher Education Institutions shall comply with the University Announcement.

9.2 The University shall consider the course transfer or equivalent course transfer upon the approval of the related Faculty, Department or School, and/or Division.

9.3 Transfer courses to be granted cumulative credits counted towards degree completion that must be comparable in content to courses offered at the University, and must be completed with a minimum grade of C, S or CX as indicated in the score recording criteria in the case of exempted courses, or a grade CE, CP, CS and CT as specified in the score recording criteria in the case of credit transfer from non-formal education and informal education to formal education.

9.4 Courses to be granted credit transfer or equivalent credit transfer must be completed in the previous institutions within no more than 5 years after the semester of course enrollment. The courses that are granted credit transfer shall be recorded with the letter grade CX.

The definitions of the letter grades C, S, CE, CP, CS, CT and CX are as specified in Regulation 16.4.

10) Study for second degree

10.1 The University shall consider admitting students upon the approval of the Faculty. The consideration shall be in pursuant to the Faculty Announcement.

10.2 In stating their intention of application, candidates must submit the request to the University using the specified forms by no less than 45 days prior to the beginning of the intended starting academic year.

10.3 Credit transfer and equivalent credit transfer

1) Only the courses completed in the previous degree that are comparable to the study plan of the new program shall be taken in consideration for credit transfer. Non-transferable courses shall be excluded.

2) Credit transfer and equivalent credit transfer shall adhere to the University Announcement.

11) Student registration

11.1 Candidates passing the examination and candidates who are selected in accordance with Regulations 6, 8 and 10 shall register with required documents on the date and time specified by the University.

Registrants of legal age may self-certify without parent certification.

11.2 Successful candidates who fail to register within 10 working days starting from the final day of registration shall be deemed to have renounced their place.

12) Educational system

The University holds that all students possess the abilities to learn and self-develop and that students are of the highest importance. The process of education management must foster students' development by their natural abilities to full capacity.

The University adopts the interdisciplinary system in which Faculties, Departments or Schools responsible for a certain field of study provide education in that field to all students at the University. A field of study offered at the University consists of multiple courses.

12.1 The University may administer 2 types of education, which are formal education and informal education.

1) Formal education specifies the objectives, methods, durations, and measurement and evaluation, which form the requirements for degree completion.

2) Informal education allows learners to learn from individuals, experiences, society, surroundings, media or other sources of knowledge, according to their interests, capacity, readiness and opportunities. The number of credits and content of each course is subject to the University Announcement.

12.2 The University uses the semester system or the module system.

1) The semester system is the system in which the academic year is divided into 2 regular semesters, each of which has the duration of no less than 15 weeks. There may be a summer semester that is optional with the duration of approximately 6 weeks. The teaching hours of each course shall be the same as the regular semesters.

However, there may be an obligatory summer semester for programs that specify the summer semester as a part of the study plan.

In case where a degree program consists of courses that need to be offered in the summer semester for an internship, fieldwork, cooperative education, project or case study, the course management and administration shall not be deemed as belonging to the summer semester, but the regular semester.

2) The module system is a system in which the periods of teaching are divided based on the topics of study, with the amounts of content, teaching hours and credits being equivalent to the standard criteria of the semester system.

12.3 The University uses the credit system in which the number of credits indicates the quantity of learning in each course. Course credits are determined based on the standard criteria of the semester system, as follows.

(1) Lecture-based teaching that consists of 1 hour of lecture or discussion per week and no less than 15 hours throughout the regular semester is worth 1 credit.

(2) Practice-based teaching that consists of 2 to 3 hours of training, laboratory or practice per week, 30 to 45 hours in total throughout the regular semester is worth 1 credit.

(3) Practicum, internship, fieldwork or cooperative education that requires 3 to 6 hours per week, 45 to 90 hours in total throughout the regular semester is worth 1 credit.

(4) Project work or other assigned learning activities that require 45 to 90 hours over the regular semester are worth 1 credit.

(5) In the case where Regulations 12.3 (1), (2), (3) and (4) are not applicable, the University may assign the number of teaching hours, practicum or other means of teaching to obtain the appropriate amount of content per credit.

12.4 The University may set a prerequisite for certain courses to ensure that students are able to study in that course with efficiency.

12.5 A course shall have the labelled course code and course title.

12.6 The course code consists of the abbreviation of the responsible Division which is no longer than 4 alphabetic letters, and the 3-digit individual course code of which the first digit (the hundred's digit) signifies the course level, as follows.

"100 - 200" are fundamental courses.

"300 - 500" are upper-level courses.

12.7 Upon closing a course, the Faculty shall thoroughly check that there are no longer any students who are required to take that course, and the course code must be retained for a minimum of 5 years.

13) Program curriculum

13.1 Undergraduate programs shall comply with the University Announcement or the University Council's specification.

13.2 Students who wish to use the revised curriculum shall submit the request to their advisor, which would be proposed to the Dean for approval.

14) Registration

14.1 Course enrollment

For course enrollment in each semester, advisors provide consultation to students, as well as giving guidance according to the study plan and individual needs. Students shall comply with the following regulations.

(1) Course enrollment shall adhere to the University Announcement. Students who enroll after the specified period are subject to the fine described in CMU Regulation on Tuition Fees.

(2) Late enrollment is allowed within the period specified in the academic calendar. After the deadline, the student's right to register in that semester shall be revoked.

(3) Course enrollment is complete only when the payment of fees has been made and the University has received all the proofs of payment.

In the case of a request for tuition fee refund, it shall adhere to CMU Regulation on Tuition Fees.

(4) Students who have completed a course with a C grade or equivalent, or higher, or S, CE, CP, CS, CT and CX, shall not enroll in the same course or courses with comparable content. Repeating enrollment with such conditions shall be deemed invalid.

The exception is for a Major course with a C or C+ grade. In this case, students may repeat such course.

(5) Students who have completed a course with an I or P grade shall not enroll in such course again.

(6) Full-time students must enroll for a minimum of 9 credits but no more than 22 credits in a regular semester. In the summer semester, students may not enroll for more than 9 credits.

(7) In case of necessity, students may enroll for less than 9 credits in a regular semester upon the Dean's approval.

(8) Enrollment in a cooperative education course, or a course that is based on professional training or internship that is required in the study plan shall have the same number of credits as specified in the program's study plan.

(9) Students who expect to graduate within the semester may enroll for more than 22 credits in a regular semester or more than 9 credits in the summer semester upon the Dean's approval.

(10) Students may enroll in a course for knowledge enrichment purpose if the course instructor and the Head of the responsible Department or Division provide their written consent, given that they have obtained the advisor's approval and have submitted the evidence to the University. In such case, students will receive a V grade.

Students who have initially enrolled in a course to receive a V grade and wish to make change in the evaluation to the grade value evaluation or the S/U evaluation shall comply with the University Announcement.

Students may not repeat in a course completed with a V grade. Such repeating course enrollment shall be deemed invalid. The exception is for students changing the major and the repeated course is required by the new program.

(11) Enrollment that violates the conditions shall be deemed null and void, and the students shall be awarded a W grade for the course of which the enrollment is deemed invalid.

(12) Students who have been awarded an I or P grade and wish to replace the grade and be assigned the final grade, but do not intend to enroll in other courses shall enroll for the University Services.

The Definitions of grades are as stipulated in Regulation 16.4.

14.2 Register for University Services

Students who do not enroll in any courses in the semester but wish to use the University Services for education or other activities shall register and pay the fee as stipulated in the University Announcement.

14.3 Registration of part-time students shall adhere to the University Announcement.

15) Adding and dropping shall adhere to the University Announcement.

16) Measurement and evaluation

16.1 In each course, measurement is performed no less than once per semester. Once the final evaluation is conducted, the learning shall be deemed completed.

16.2 Students of each course must have a minimum attendance of 80 percent of the class hours in order to be eligible for the course measurement and evaluation. However, the instructor may consider granting the right to receive measurement and evaluation.

Students who are ineligible to receive evaluation as stipulated in the first paragraph shall be awarded an F or U grade, unless withdrawing from the course within the designated period.

16.3 The University uses letter grades and grade points for the measurement and evaluation of each course. Letter grades are divided into 3 groups, which are the letter grades with point value, the letter grades without point value and the letter grades for incomplete evaluation.

16.4 Letter grades, definitions and point value

(1) Letter Grade	Definition	Point Value
A	Excellent	4.00
B+	Very good	3.50
B	Good	3.00
C+	Fairly good	2.50
C	Fair	2.00
D	Poor	1.50
D+	Very poor	1.00
F	Failed	0.00

(2) Letter grades without point value are defined as follows.

Letter Grade	Definition
S	Satisfactory
U	Unsatisfactory
V	Visiting
CE	Credits from examination
CP	Credits from portfolio
CS	Credits from standardized tests
CT	Credits from training
CX	Credits from exemption

(3) Letter grades for incomplete measurement and evaluation are defined as follows.

Letter Grade	Definition
I	Incomplete
P	In progress

16.5 The I grade means that students are not able to undergo complete measurement and evaluation, and they must provide the proof of necessity. In awarding an I, the approval from the instructor and the Dean of the responsible Faculty must be obtained.

Students must successfully receive the measurement and evaluation for the replacement of I within 30 days starting from the starting date of the successive regular or summer semester that the student enrolls for courses or register for University Services. After the designated period, the I grade shall be replaced by an F or a U grade by the University.

Moreover, in the case where students are permitted to take leave of absence in that semester, they shall not receive the measurement and evaluation to replace the I.

16.6 The P grade means that the course's teaching is still ongoing and there is no measurement or evaluation within the semester of enrollment. This shall be applicable

only to courses based on internship, fieldwork, projects or other assignments, in pursuant to the University Announcement.

The P grade will be replaced upon the completion of the measurement and evaluation. However, it shall be done no later than the grade submission date of the successive regular semester that the student enrolls or registers for University Services. Once the deadline has passed and the student still has not received the measurement and evaluation, the P grade shall be replaced by an F or a U grade.

The exception holds if the student is permitted to take a leave of absence in the successive semester. The P grade shall not be replaced.

16.7 The V grade means that the student has registered as a visitor, without receiving measurement and evaluation for that course, as stipulated in Regulation 14.1 (10). However, attendance must be no less than 80 percent of the class hours. If the student's attendance is lesser than the specified amount or the student fails to meet the course requirements, the instructor may consider replacing the V grade with a W.

16.8 The W grade means that

(1) the enrollment does not meet the condition(s) and is null and void as stipulated in Regulation 14.1 (11);

(2) the student's performance does not meet the requirements;

(3) the student is suspended in that semester;

(4) the student resigns before the last day of grade submission of the semester, or dies before the final evaluation;

(5) the student withdraws from the course within the withdrawal period stipulated in the University Announcement.

(6) the University approves the student's late withdrawal from all enrolled courses due to unforeseen reasons;

(7) the student receives a grade of I or P, and has not completed the evaluation before submitting the resignation form.

16.9) The grades of S and U are applicable to courses specified by University to have S/U evaluation.

16.10) The CE, CP, CS and CT grades are applicable only to courses specified by the University to be eligible for equivalent credit transfer from non-formal education and informal education to the formal education system of Chiang Mai University.

16.11) The grade of CX is applicable only to courses specified by the University to be eligible for exemption.

16.12) The grades of S, U, I, P, V, W, CE, CP, CS, CT and CX are not calculated towards the Grade Point Average (GPA).

16.13) Calculation of cumulative credits for degree completion

(1) Only courses completed with the grades of A, B+, B, C+, C, D+, D or S, CE, CP, CS, CT and CX are counted towards the cumulative credits for degree completion.

(2) In the case of repeating a course, only the credits of the last attempt shall be counted towards the cumulative credits for degree completion. The exception holds for courses specified by the University to be eligible for repeating enrollment. In such case, the credits of all attempts shall be counted towards the cumulative credits for degree completion.

16.14) The University calculates the Grade Point Average from the total credits and the grade point values of all enrolled courses that are evaluated using letter grades with point value. For any course that is repeated more than once, all attempts shall be included in the calculation.

16.15) In calculating the Grade Point Average, the product of the credit value and the point value of each course, as stipulated in Regulation 16.14, are summed, and then divided by the sum of the attempted credits earned from courses evaluated using the letter grades with point value. Up to 2 decimals are allowed. In the case where the third decimal has a value of 5 or greater, the second decimal shall be rounded up.

16.16) Students who fail to meet the program's grade requirement shall repeat the course until the required grade is obtained.

16.17) Students who have been granted the permission to temporarily study in other Higher Education Institutions may request for the credits and the results to be calculated with the results obtained at the University.

Courses enrolled in other Higher Education Institutions must be equivalent in credit, and lecture-based and/or practice-based class hours, in pursuant to the University's Curriculum Standard Criteria.

16.18) In the case where there is a complaint or information indicating that the awarded grade is incorrect, does not comply with the criteria or is inappropriate, the President shall have the authority to establish a committee to investigate the matter and issue orders as deemed appropriate.

17) Leave

17.1 Medical leave

Students whose severity of illness prevents them from attending the teaching session as indicated in the course plan or schedule shall submit the request to their advisor, and then use it to obtain the approval from the instructor.

In the case where students are sick for 3 consecutive days or over, they shall submit the request accompanied by a medical certificate from a public or private healthcare facility.

17.2 Personal business leave

Students with the necessity that prevents them from attending the teaching session as indicated in the course plan or schedule shall submit the request to their advisor, and then use it to obtain the approval from the instructor at least 1 day in advance. If the leave form cannot be submitted in advance, students shall submit it to the instructor on the first day of returning to class.

17.3 Leave of absence

(1) Students must request for a leave of absence if they have not enrolled in courses, registered for University Services, completed the registration or withdrawn from all enrolled courses without receiving W.

(2) To request leave of absence, students must submit the official leave request form within 30 days starting from the first day of the semester that they

intend to take the leave. The form shall be accompanied by the parental consent form, and then submitted through their advisor to the Dean for approval.

Students who are of legal age at the day of registering as a student may take a leave of absence without a parental consent form.

Students who have taken educational leave from work must present a consent form from their superior at the original affiliation.

(3) Students who take leave of absence must pay a fee as stipulated in the University Regulation.

17.4 Resignation

Students who wish to resign must submit the official resignation form accompanied by the parental consent form through their advisor to the Dean. Then, the request shall be presented to the University for approval.

Students who are of legal age on the day of registering as a student may resign without a parental consent form.

Students who have taken educational leave from work must present a consent form from their superior at the original affiliation.

The procedure in submitting the resignation form shall comply with the University Announcement.

18) Transfer of degree program

18.1 Intra-faculty change of degree program shall comply with the Faculty's requirements and/or conditions.

18.2 Inter-faculty change of degree program shall comply with the following conditions.

(1) Students may transfer to another degree program if they have enrolled in the courses specified in the curriculum structure of the previous degree program and have received a minimum credit of 24, excluding courses completed with a V.

(2) Students may transfer to a degree program offered by another Faculty only if they have obtained the approval from the advisor, the Head of the Department or School and/or the Head of the Division, and the Dean of the previous Faculty.

(3) The inter-faculty transfer of degree program shall adhere to the conditions of the responsible Division and Faculty, in pursuant to the University Announcement.

(4) The inter-faculty transfer of degree program shall be approved upon the consideration of the intended Division and Faculty.

(5) The inter-faculty transfer is complete only when the fee for degree program transfer has been paid and the new Student ID has been assigned.

18.3 Intra- and Inter-faculty transfers shall be carried out during the period designated in the Academic Calendar.

The transfer carried out after the designated period shall be effective in the successive semester.

18.4 Once the transfer is complete, all completed courses shall count towards the cumulative credits for degree completion and they shall count as the enrolled credits, as stipulated in 20.9 (4). They shall also count towards the GPA of the new degree program.

19) Maintaining student status

Students must pay a fee for maintaining the student status, which does not include course enrollment and registration for University Services.

Students must maintain their student status in the following cases:

19.1 Students who take leave of absence

19.2 Students who are suspended

19.3 Students who receive an I or a P, and do not wish to enroll in any course or have not registered for the University Services.

20) Termination of student status

Student status shall be terminated in the following cases.

20.1 Death

20.2 Resignation

20.3 Transfer to another Higher Educational Institution

20.4 Fail to maintain the student status, as stipulated in Regulation 19

20.5 Lack the eligibility required to be admitted to the University, as stipulated in Regulation 5

20.6 Not enroll in courses within the designated period and not register for University Services, and/or not request a leave of absence within 30 days starting from the first day of a regular semester

20.7 Demonstrate inappropriate behaviors or having caused defamation to the University, and the University sees fit to order expulsion, in pursuant to the Regulation on Student Discipline

20.8 Have enrolled as a full-time student at the University for twice the duration indicated in the study plan; for transfer students, the period starts from the first semester of registration at the previous Higher Education Institution. The duration shall be counted at the end of the summer semester of the last academic year.

20.9 Have one of the following academic results

(1) a GPA of less than 1.50 after having enrolled for two regular semesters

(2) a GPA of less than 1.75 after having enrolled for four regular semesters

(3) a GPA of less than 1.75 for two consecutive regular semesters, after having enrolled for four regular semesters or over

(4) a GPA of less than 2.00 after having obtained 240 credits in the case of a 4-year program, or 300 credits in the case of a 5-year program, calculated from enrolled courses, and transferred or equivalent-transferred courses, which have been awarded the letter grades with point value and the letter grades without point value, including S, U, V, CE, CP, CS, CT and CX

However, courses with a W shall not be calculated.

20.10 Have been approved for graduation

21) Nomination for bachelor's degree graduation

21.1 In the semester of expected graduation, students must submit the graduation application form through their advisor to the Faculty and the Registration Office within the period designated in the Academic Calendar for each semester.

Students who have enrolled in all courses as required by the program and do not submit the application for graduation form in that semester shall register for University Services, and submit the application for graduation form in the successive semester that they expect to graduate.

21.2 Students eligible for nomination for graduation must meet the following criteria.

(1) Have completed all courses required by the program's curriculum and requirements, and there are no courses with I or P grades

(2) In the semester system, have a minimum of 6 regular semesters of study for a 4-year degree program and 8 regular semesters for a 5-year degree program

For students who have transferred from other Higher Education Institutions, the duration of study at the previous Higher Education Institution shall be calculated in conjunction with the duration of study at the University.

(3) Have a minimum major course GPA of 2.00 and a minimum cumulative GPA of 2.00.

(4) Have taken the English Graduate Test for Chiang Mai University Students, in pursuant to the University Announcement

(5) Students who have received a diploma or equivalent from another education institution

a. must enroll in courses to earn no less than half of the cumulative credits required by their program in order to graduate;

b. are subject to other conditions required by the program, in pursuant to the University's Announcement.

(6) Students who have already obtained a bachelor's degree or equivalent and register at the University for a second degree must enroll in a minimum of 36 credits in the new degree program. However, the number of cumulative credits required for degree completion is subject to the condition of the new degree program.

(7) Students who transfer from within the Faculty or from another Faculty must be affiliated and enrolled in the new program for a minimum of 2 regular semesters.

(8) Students do not owe any debt to the Faculty and/or University.

(9) Students have the qualifications stipulated in CMU Regulation on consideration of Honor and Merit of Students Nominated for the Degrees, Graduate Diplomas, Higher Graduate Diplomas or Certificates offered by the University.

21.3) After a semester is complete, advisors shall check for and nominate students who are eligible for graduation as stipulated in Regulation 21.1 with attached required documents to the Division and/or Department or School, the Faculty and the University, respectively to obtain approval from the University Council.

21.4) Students who are eligible for the nomination for graduation with honors must possess the qualifications stipulated in Regulation 21.2 and additional qualifications as follows.

(1) Have a cumulative GPA of 3.50 or over to be qualified for First Class Honors, or a GPA from 3.25 to 3.49 for Second Class Honors

(2) Have never received an F or a U in any course

(3) Have completed the study within the duration specified in the program's study plan, starting from the first semester of student registration; however, the semester(s) that students have been granted a leave of absence shall not be counted

(4) For transfer students, the duration of study in the previous program shall be calculated in conjunction with the duration of study in the new program and the total must not exceed the duration specified in the new program's study plan.

(5) For students whose credit transfer or equivalent transfer has been approved, or who have been granted an exemption and awarded a CE, CP, CS, CT or CX grade, the number of transfer credits or equivalent transfer credits earned in total must not exceed 12; and the students have never been awarded an F or a U, or other equivalent letter grades in any course offered at both the previous Higher Education Institution and the University.

(6) Students studying for a second degree may receive nomination for graduation with honors shall possess the following qualifications.

a. Transferred, equivalent-transferred or exempted courses are comparable to the courses in the current program, and transferred or equivalent-transferred courses counts towards the cumulative credits for degree completion, and the grades are recorded with CX.

Students who earn credits of over 12 from credit transfer, equivalent credit transfer and exemption, as stipulated in the previous paragraph, shall not be eligible for nomination for graduation with honors.

b. Students have never received an F or a U or other equivalent letter grade in any course offered at the University.

c. Students have completed their study within the duration specified in the program's study plan, starting from the first semester of student registration; however, the semester(s) that students have been granted a leave of absence shall not be counted.

(7) Students have never been suspended due to violation of student discipline.

22) Awarding medals and certificates to students with excellent academic performance

The Faculty shall nominate students with excellent academic performance to the University for the award of a medal for academic excellence over the course of the study and a certificate of annual academic excellence in pursuant to the following conditions.

22.1 Medals for academic excellence over the course of the study

(1) Gold medal

Students must be eligible for the First-Class Honors and have a minimum cumulative GPA of 3.75.

(2) Silver medal

Students must be eligible for the First-Class Honors and have a cumulative GPA between 3.50 and 3.74.

22.2 Certificates of annual academic excellence

Students eligible for a certificate of annual academic excellence must have a minimum of 30 credits enrolled during the two regular semesters that academic year, with the exception for the enrollment of fewer than 30 credits that is in pursuant to the program's study plan in that academic year.

The course measurement and evaluation must be complete, and students have never received an F or a U in that academic year, and they have a minimum cumulative GPA of 3.5 calculated from the two regular semesters in that academic year.

Students whose lack of qualifications to receive a certificate of academic excellence are caused by incomplete measurement and evaluation as specified by the study plan, or reasons beyond the students' control may submit a request to the Dean to consider awarding them the certificate.

23) In case of necessity, the University Council may suspend any clause in this Regulation upon the Council's resolution.

24) The President of the University shall act in accordance with this Regulation.

In special cases, the President has the authority to issue orders and act as deemed appropriate.

For any provisions not specified in this Regulation, the President shall have the authority to issue announcements and rules, as specified by the Regulation, which must not conflict or contradict with this Regulation, and then report to the University Council.

Announced on 1st August B.E. 2561 (2018)

(signed)

Professor Emeritus Kasem Watanachai

Chairman of Chiang Mai University Council

Chiang Mai University Announcement

on Standard Criteria for Undergraduate Study B.E. 2563 (2020)

To ensure that education provided by Chiang Mai University is of accepted standard and remain in line with the provision stipulated in Regulation 13.1 in Chiang Mai University Regulation on Undergraduate Study B.E. 2561 (2018), by virtue of Article 35 and 38 (1) in Chiang Mai University Act, B.E. 2551 (2008), upon the approval from the Chiang Mai University Council at Meeting No. 2/B.E. 2563 (2020) held on February 4, 2020, the following Chiang Mai University Announcement on Standard Criteria for Undergraduate Study B.E. 2563 (2020) is issued.

Number 1   This Announcement is called "Chiang Mai University Announcement on Standard Criteria for Undergraduate Study B.E. 2563 (2020)".

Number 2   This Announcement is applicable to all undergraduate degree programs that are offered or revised from the academic year 2020 onwards.

Number 3   In this Announcement,

"University" means Chiang Mai University

"University Council" means Chiang Mai University Council

"Faculty" means faculties, colleges or other designated academic units that offer teaching at undergraduate level under Chiang Mai University.

"Program" means undergraduate programs offered by Chiang Mai University

"Regular program" means programs that hold teaching sessions during the official hours that count towards the instructor's teaching workload.

"Special program" means programs that hold teaching sessions outside the official hours that count towards the instructor's teaching workload.

"Academic undergraduate program" means programs that aim to produce graduates that are knowledgeable in theory and practice, with the emphasis on academic knowledge and skills that can be applied productively in practical situations.

"Professional or practice-based undergraduate program" means programs that aim to produce graduates that are knowledgeable in theory and practice, with the emphasis on professional knowledge, competency and skills required by the professional standards, or the technical competency and skills a particular field developed through internship at organizations or cooperative education.

Number 4 The philosophy and objectives of the program shall correspond to the Higher Education Development Plan, Chiang Mai University Educational Development Plan and the academic and professional standards of each profession. Programs shall have the standards of learning outcomes at least in the following 3 domains.

4.1 Demonstrate knowledge, capability and competence to build a career, stability and quality of life for self, family, community and society; and have lifelong learning skills with morality, endurance, perseverance and commitment to professional ethics.

4.2 Develop innovations; have 21st-century skills and the ability to integrate knowledge from different fields to improve the society and solve social problems; possess entrepreneurship and the awareness of social and global changes; and create opportunities and added values for self, the community, the society and the country

4.3 Possess active citizenship, ethical courage and a strong sense of integrity; appreciate and preserve Thai values; collaborate for developmental productivity; and promote sustainable peace at the family, community, social and global scales

Number 5   The program's learning management shall be conducted as appropriate, in pursuant to the principle that students have the ability to learn and develop and that they are of the highest priority. To ensure that students can develop by natural abilities to their full capacity, the curriculum content of both academic and professional programs must consist of contents and activities that correspond to such principle. Learning management shall be administered as follows.

5.1 Training skills, thought process, management, situation handling and application of the knowledge for problem prevention and resolution

5.2 Administering learning activities based on real life experience and practical training to foster thinking, practical application and inquisitiveness

5.3 Providing a balanced combination of knowledge in different fields, as well as promoting morality and desirable values in order to foster desirable traits

5.4 Creating favorable learning atmosphere and environment, learning materials and other facilities as appropriate

5.5 Coordinating with the community, agencies and organizations for students to reach their potential

Number 6 The semester, academic year or modular systems are adopted.

6.1 In the semester system, an academic year is divided into 2 regular semesters, each of which has a minimum duration of 15 weeks. There may be a summer semester, which is optional, that has the duration of approximately 6 weeks with the teaching hours of each course being equivalent to the one offered in a regular semester.

A program intending to specify a summer semester as obligatory shall indicate in the study plan as such.

For a program that has to offer a course based on internship, fieldwork, cooperative education, project work or case study in the summer semester which does not follow the study plan, the management and administration of that course shall be treated as a part of a regular semester.

6.2 The academic year system has a minimum duration of 36 weeks with the same starting date, the duration of study and the end of the academic year as indicated in the Academic Calendar, with the amounts of content, teaching hours and credits being equivalent to the standard criteria of the semester system.

6.3 The module system is a system in which teaching periods are divided based on the topics of study with the amounts of content, teaching hours and credits being equivalent to the standard criteria of the semester system.

Number 7 Credit system

The number of credits indicate the quantity of learning in each course. Course credits are determined based on the standard criteria of the semester system, as follows.

7.1 Lecture-based teaching that consists of 1 hour of lecture or discussion per week and no less than 15 hours throughout the regular semester is worth 1 credit.

7.2 Practice-based teaching that consists of 2 to 3 hours of training, laboratory or practice per week, and 30 to 45 hours in total throughout the regular semester is worth 1 credit.

7.3 Practicum that requires 3 to 6 hours per week over the regular semester, 45 to 90 hours in total, is worth 1 credit.

7.4 Internship or field work that requires 3 to 6 hours per week over the regular semester, 45 to 90 hours in total, is worth 1 credit.

7.5 Cooperative education must have a minimum credit of 6, with no less than 16 consecutive weeks, or equivalent, of practice, and the minimum practice hours of at least 480 is required.

7.6 Project work or other assigned learning activities that require 45 to 90 hours over the regular semester are worth 1 credit.

In the case where Numbers 7.1, 7.2, 7.3, 7.4, 7.5 and 7.6 are not applicable, the University may assign the number of course credits as appropriate.

Number 8   Total credits and duration of study

8.1 A 4-year program must have a minimum of 120 total credits and the duration of study must not exceed 8 academic years.

8.2 A 5-year program must have a minimum of 150 total credits and the duration of study must not exceed 10 academic years.

8.3 A 6-year program must have a minimum of 180 total credits and the duration of study must not exceed 12 academic years.

The duration of study shall be counted from the first day of the semester that students enroll in the program.

Number 9 Degree title

The degree titles shall be used as stipulated in the Chiang Mai University Regulation on Degrees and Abbreviations.

Number 10 Curriculum structure

The curriculum structure consists of General Education, Field of Specialization and Free Elective with the proportion of credits as follows.

10.1 General Education refers to courses with the objectives to develop and foster extensive knowledge, broad worldview, understanding and appreciation of nature, self, others and society, inquisitiveness, multidimensional thinking, language skills for effective communication, digital skills, morality, appreciation of the values of arts and cultures in the Thai and international contexts, knowledge application in life, and valuable citizenship in the Thai and global societies.

General Education aims to foster a complete human being through the pursuit of various courses that results in the appreciation and self-pursuit of the advancements in the field. In terms of teaching, the content should be complete within one course, and there should not be continuing courses or higher-level courses. Also, entry-level courses or fundamental courses of specialized subjects should not be offered as a General Education Course.

General Education Courses account for a minimum of 30 credits. The management shall comply with the University Guideline/Announcement and three domains of learning outcomes as mentioned in Number 4 shall be covered.

10.2 Field of Specialization refers to core courses or professional foundation courses, and Major or Professional courses that aim to foster knowledge, understanding and practical application. The credit requirements for Field of Specialization are as follows.

a. A 4-year program is required to have a minimum of 72 credits from Field of Specialization Courses, which is further comprised of at least 24 credits from Core or Professional Foundation Courses, and at least of 48 credits from Major or Professional Courses.

Within the 48 credits from Major or Professional courses, at least 36 credits must be from 300 level courses or higher, and within the 36 credits, at least 18 of which must come from 400 level courses, unless approved otherwise by the University Council.

b. A 5-year program is required to have at least 90 credits from Field of Specialization Courses, which is further comprised of at least 30 credits from Core or Professional Foundation Courses, and at least 60 credits from Major or Professional Courses.

Within the 60 credits from Major or Professional courses, at least 45 credits must be from 300 level courses or higher, and within the 45 credits, at least 25 of which must come from 400 level courses, unless approved otherwise by the University Council.

C. A 6-year program is required to have at least 108 credits from Field of Specialization Courses, which is further comprised of at least 40 credits from Core or Professional Foundation Courses, and at least 80 credits from Major or Professional Courses.

Within the 80 credits from Major or Professional courses, at least 60 credits must be from 300 level courses or higher, and within the 60 credits, at least 30 of which must come from 400 level courses, unless approved otherwise by the University Council.

Field of Specialization may be organized in the single-major, double-major or major-minor systems. In the double major system, at least another 30 credits from the Major Courses of the second major must be obtained.

Minor refers to groups of courses specified in the University Announcement that are qualified for study as a complement to students' major or as an enhancement of personal aptitude, and are not required by the curriculum. In the case where a minor is required, a minimum of 15 credits must be obtained. Students may choose to study in more than one group of courses.

For Honor Programs, a minimum of 12 credits from graduate level courses under Field of Specialization must be obtained.

10.3 Free Elective refers to courses that aim to provide learners with the knowledge and understanding on their subject of interest or proficiency. Students may choose to enroll in any undergraduate courses, excluding the courses required by their major and minor. A minimum of 6 credits is required for Free Elective Courses.

Number 11 Study plan

A program shall have a clear study plan and ensure that the students have full understanding of the plan in order for their course enrollment to be in line with the program's curriculum.

Number 12 English Proficiency Testing

A program must require the students to take an English proficiency test as a condition for degree completion.

Number 13 Curriculum management

13.1 Program coordinators

means program instructors holding at least a master's degree or equivalent in the same or associated field as the offering program or an assistant professorship, and must have at least 1 academic work that is not a part of a dissertation in fulfillment of a degree and is published in pursuant to the Criteria for Academic Title Appointment within the past 5 years. Program coordinators shall be responsible for the administration and development of the curriculum and teaching, from planning, quality assurance, follow-up, evaluation to curriculum development.

Program coordinators shall be responsible for the program over the entire period of offering. A person must not be a program coordinator of more than one program at the same time.

For a professional undergraduate program or a program that focuses on the development technical skills in a particular field, a minimum of 2 from 5 instructors must have practical experience. The persons may be a full-time instructor at the University or personnel affiliated with a non-higher education institution that has an agreement with the program to produce graduates; however, there must be no more than 2 external persons acting as the program coordinators.

For a program in partnership with a non-higher education institution, in case of necessity, the requirements for a master's degree and academic work may be exempted for the person(s) representing the partnership organization. However, they must hold a bachelor's degree or equivalent, and have of at least 6 years of working experience at that organization.

For a program that offers more than 1 major, a minimum of 3 qualified coordinators must be assigned to each major. As for a professional undergraduate program or a program that focuses on development technical skills in a particular field, the ratio of coordinators with practice experience must be 1 to 3.

In case of utmost necessity in which a program is unable to meet the requirement on the number of program coordinators, the University must submit the list of recruited program coordinators and their qualifications to the Office of the Higher Education Commission for consideration case by case.

13.2   Program instructors

means full-time instructors who hold at least a master's degree or equivalent in the same or associated field as the offering program or an assistant professorship, and must have at least 1 academic work that is not a part of a dissertation in fulfillment of a degree and is published in pursuant to the Criteria for Academic Title

Appointment within the past 5 years. Program instructors are responsible for teaching and research in the field of study.

A program instructor may be responsible for several programs at the same time, but they must be relevant to the instructor's qualification or the program's field of study.

For a professional undergraduate program or a program that focuses on the development of technical skills in a particular field, the program instructors must possess the qualifications specified by the standards of that particular profession.

For a program in partnership with a non-higher education institution, in case of necessity, the requirements for a master's degree and academic work may be exempted for the person(s) representing the partnership organization. However, they must hold a bachelor's degree or equivalent and have at least 6 years of working experience at that organization.

13.3 Instructors

may be full-time or part-time instructors with the minimum qualification of a master's degree or equivalent, or an assistant professorship in the same or associated field of the program or the responsible course.

Instructors who hold a bachelor's degree or equivalent and has been on duty since before the Standard Criteria for Undergraduate Study B.E. 2558 (2015) became effective may continue their duty as an instructor.

For a program in partnership with a non-higher education institution, in case of necessity, the requirements for a master's degree and academic work may be exempted for the person(s) representing the partnership organization. However, they must hold a bachelor's degree or equivalent, and have of at least 6 years of working experience at that organization.

Part-time instructors who may be granted exemption from the master's degree requirement must hold at least a bachelor's degree or equivalent and have at least 6 years of working experience that is related to the responsible course. A part-time

instructor may not have more than 50 percent of the teaching hours, and a full-time instructor shall be responsible for the course.

However, upon the approval from the University Council, if over 50 percent of a course requires expertise from external personnel, it can proceed for the maximum benefits for the students, but a full-time lecturer must have joint responsibility in the teaching and student development throughout the course.

For a professional undergraduate program or a program that focuses on the development of technical skills in a particular field, the program instructors must possess the qualifications specified by the standards of that particular profession.

Number 14 Curriculum development

All curricula must be revised, showing quality improvement, within 5 years for a 4-year program, 6 years for a 5-year program and 7 years for a 6-year program, and receive evaluation for constant improvement.

Number 15 In the case where a problem occurs due to this Announcement, the President of Chiang Mai University shall make the final decision upon the approval from the Academic Administration and Coordination Committee, and the decision shall be deemed final.

Announced on 17th February B.E. 2563 (2020)

(signed)

Clinical Professor Niwes Nanthachit

President of Chiang Mai University

Contact /ช่องทางในการติดต่อ

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