

Organic Agriculture Management (International Program)

New curriculum, 2019

Institution: Maejo University
Campus/Faculty: International College

General information

Name of Curriculum

1. Master of Science Program in Organic Agriculture Management (International Program)

2. Name of Degree and Field of Study
 Master of Science (Organic Agriculture Management)
 M.S. (Organic Agriculture Management)

3. Majors
 none

4. Number of Credit throughout the curriculum

Plan A Type A1	36 credits
Plan A, Type A2	36 credits
Plan B	36 credits

5. Format of the Curriculum
 - 5.1 2 years master's degree program
 - 5.2 Language used**
 All subject are taught in English
 - 5.3 Admission**
 Accept all Nationality

Management system for education, operation and curriculum structure

1. Education Management System

1.1 System

The Educational system of the International College, Maejo University uses a binary education system, 1 academic year is divided into 2 regular semesters, 1 regular semester, with a study period of not less than 15 weeks.

1.2 Summer Education Management

There is no learning and teaching activities in the summer.

2. Course implementation

2.1 day - time for teaching and learning activities

First Semester June - October

Second Semester November - March

Summer April - May

Or according to the academic calendar of the university announced at that time

2.2 Qualifications of Applicant

Plan A Type 1

- 1) Applicants must have completed a bachelor degree or scientific equivalent in all disciplines from educational institutions recognized and certified by the Office Civil Service Commission (OCSC), with GPAX not less than 3.25 or
- 2) Graduates according to Article 1, but have a GPAX of not less than 2.75 and must have published research results and / or used in agricultural and rural development practices or other related agriculture not less than 1 year. The research outline should be attached with the application.
- 3) The applicant must be qualified according to Maejo University regulations on graduate studies according to regulations and other announcements of relevant universities enforced at that time.
- 4) Other cases shall be in the discretion of the committee.

Plan A Type 2

- 1) Applicants must have completed a bachelor's degree or scientific equivalent in all disciplines from educational institutions recognized and certified by the Office of Civil Service Commission (OCSC), with GPAX not less than 2.50 or
- 2) Graduates according to article 1, but with average GPAX results throughout the course of less than 2.50 Considered appropriate for admission or
- 3) In the case of not graduating with a bachelor's degree program in the chosen major and/ the applicant does not has an experience as specified, he/she may be consider for admission If the committee considers that the applicant has sufficient potential to study in specified major.

- 4) The applicant must be qualified according to Maejo University regulations on graduate studies according to regulations and other announcements of relevant universities enforced at that time.
- 5) Other cases shall be in the discretion of the committee.

Plan B

- 1) Applicants must have completed a bachelor's degree or scientific equivalent in all disciplines from educational institutions recognized and certified by the Office of Civil Service Commission (OCSC), with GPAX not less than 2.50 or
- 2) Graduates according to article 1, but with average GPAX results throughout the course of less than 2.50 Considered appropriate for admission or
- 3) In the case of not graduating with a bachelor's degree program in the chosen major and/ the applicant does not has an experience as specified, he/she may be considered for admission If the committee considers that the applicant has sufficient potential to study in specified major.
- 4) The applicant must be qualified according to Maejo University regulations on graduate studies according to regulations and other announcements of relevant universities enforced at that time.
- 5) Other cases shall be in the discretion of the committee.

3. Curriculum

3.1.1 Total credits throughout the course

3.1.1.1 Plan A Type 1

Is a study plan, where the student has to write only thesis of not less than 36 credits, but may require additional non-credit courses according to the approval of the lecturer responsible for the course, and some courses in foreign languages according to the conditions of the graduate school. Moreover, students must participate in academic activities held by the International College.

3.1.1.2 Plan A, Type 2

Is a study plan that focuses on creating researchers to be ready in both content, methods and research skills with a minimum of 36 credits.

3.1.1.3 Plan B

Is a study plan that focuses on creating researchers to be ready in both content, methods and research skills, by doing some independent studies not less than 6 credits and a study credit not less than 30 credits.

3.1.2 Structure of the Curriculum

3.1.2.1 Plan A Type 1

1. Non-Credit courses	(7 Credits)
2. Thesis	36 credits
Total credit throughout the curriculum	36 credits

3.1.2.2 Plan A Type 2

1. Non-credit courses	(7 Credits)
2. Major compulsory Course	9 credits
3. Major elective course	15 credits
4. Thesis	12 credits
Total credit throughout the curriculum	36 credits

3.1.2.3 Plan B

1. Non-credit courses	(7 Credits)
2. Major compulsory Course	9 credits
3. Major elective course	21 credits
4. Independent studies	6 credits
Total credit throughout the curriculum	36 credits

However, the above structure does not include credits from basic supplementary courses for students who need to study for additional basic adjustments. This depends on the discretion of the lecturer responsible for the curriculum.

3.1.3 Course details and credits

3.1.3.1 Plan A Type 1

		Credits (Lecture-Practice-self-study)	
1) Non-credit course		(7)	Credits
OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	(2-3-5)
OM 591	Seminar 1	(1)	(0-2-1)
OM 592	Seminar 2	(1)	(0-2-1)
OM 593	Seminar 3	(1)	(0-2-1)
OM 594	Seminar 4	(1)	(0-2-1)

Note: They are non-credit courses and are evaluated in S and U

2) Thesis		36	Credits
OM 691	Thesis 1	6	(0-18-0)
OM 692	Thesis 2	6	(0-18-0)
OM 693	Thesis 3	12	(0-36-0)
OM 694	Thesis 4	12	(0-36-0)

Note: Non-credit courses are gathered in the minimum credits of the curriculum

1. Foreign language courses according to the regulations of graduate school.
2. Course that are not major compulsory courses or major elective courses as approved by the lecturer responsible for the curriculum.
3. Additional basic courses for students, that are necessary without counting of it's credit. As approved by the lecturer responsible for the curriculum.

3.1.3.1 Plan A Type 2

		Credits (Lecture-Practice-Self-Study)	
1) Non-credit course		(7)	Credits
OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	(2-3-5)
OM 591	Seminar 1	(1)	(0-2-1)
OM 592	Seminar 2	(1)	(0-2-1)
OM 593	Seminar 3	(1)	(0-2-1)
OM 594	Seminar 4	(1)	(0-2-1)
Note: They are non-credit courses and are evaluated in S and U			
2) Major course		24	Credits
A. Compulsory major course		9	Credits
OM 502	Organic Standard System	3	(2-3-5)
OM 503	Organic Agribusiness Innovation and Technology Management	3	(2-3-5)
OM 504	Processing Innovation and Branding of Organic Products	3	(2-3-5)
B. Major elective course		15	Credits
		Credits (Lecture-Practice-Self-Study)	
<u>Technology courses</u>		6	credits
OM 511	Cannabis Science	3	(2-2-5)
OM 512	Beekeeping in Organic Farming	3	(2-2-5)
OM 513	Organic Livestock Production and Organic Aquaculture Farming	3	(2-2-5)
OM 514	Organic Seed Science and Technology	3	(2-2-5)
SM 515	Advanced Technology and SMART Farm in Modern Agriculture	3	(2-2-5)
<u>Business and Entrepreneurship courses</u>		9	Credits
OM 521	Sustainable Organic Farming Management	3	(2-2-5)
OM 522	Accounting and Financial Management for Organic Agribusiness	3	(2-2-5)
OM 523	Strategies for Organic Agribusiness Development	3	(2-2-5)
OM 524	Entrepreneurship in Organic Agriculture	3	(2-2-5)

OM 525	Business Plan for Entrepreneur in Organic Agribusiness	3	(2–2–5)
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Credits (Lecture-Practice-Self-Study)

OM 526	Supply Chain and Logistics Management for Entrepreneurship in Organic Agribusiness	3	(2–2–5)
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3) Thesis

12 Credits

OM 691	Thesis 1	6	(0-18-0)
OM 692	Thesis 2	6	(0-18-0)

Note: Non-credit courses are gathered in the minimum credits of the curriculum

1. Foreign language courses according to the regulations of graduate school.

2. Course that are not major compulsory courses or major elective courses as approved by the lecturer responsible for the curriculum.

3. Additional basic courses for students, that are necessary without counting of it's credit. As approved by the lecturer responsible for the curriculum.

3.1.3.3 Plan B

Credits (Lecture-Practice-Self-Study)

1) Non-credits course

(7) Credits

OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	(2–3–5)
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OM 591	Seminar 1	(1)	(0–2–1)
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OM 592	Seminar 2	(1)	(0–2–1)
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OM 593	Seminar 3	(1)	(0–2–1)
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OM 594	Seminar 4	(1)	(0–2–1)
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Note: They are non-credit courses and are evaluated in S and U

2) Major Course

30 Credits

A Compulsory major course

9 Credits

OM 502	Organic Standard System	3	(2–3–5)
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OM 503	Organic Agribusiness Innovation and Technology Management	3	(2-3-5)
OM 504	Processing Innovation and Branding of Organic Products	3	(2-3-5)

B. Major elective course

21 Credits

Credits (lecture-practice-self-study)

Technology courses

OM 511	Cannabis Science	3	(2-2-5)
OM 512	Beekeeping in Organic Farming	3	(2-2-5)
OM 513	Organic Livestock Production and Organic Aquaculture Farming	3	(2-2-5)
OM 514	Organic Seed Science and Technology	3	(2-2-5)
SM 515	Advanced Technology and SMART Farm in Modern Agriculture	3	(2-2-5)

Business and Entrepreneurship courses

OM 521	Sustainable Organic Farming Management	3	(2-2-5)
OM 522	Accounting and Financial Management for Organic Agribusiness	3	(2-2-5)
OM 523	Strategies for Organic Agribusiness Development	3	(2-2-5)
OM 524	Entrepreneurship in Organic Agriculture	3	(2-2-5)
OM 525	Business Plan for Entrepreneur in Organic Agribusiness	3	(2-2-5)

Credits (lecture-practice-self-study)

OM 526	Supply Chain and Logistics Management for Entrepreneurship in Organic Agribusiness	3	(2-2-5)
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3) Independent study

6 Credits

OM 690	Independent Study	6	(0-18-0)
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Note: Non-credit courses are gathered in the minimum credits of the curriculum

1. Foreign language courses according to the regulations of graduate school.
2. Course that are not major compulsory courses or major elective courses as approved by the lecturer responsible for the curriculum.
3. Additional basic courses for students, that are necessary without counting of it's credit. As approved by the lecturer responsible for the curriculum.

3.1.4 แผนการศึกษา

1) Plan A Type A

First year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 591	Seminar 1	(1)	0	2	1
OM 691	Thesis 1	6	0	18	0
OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	2	3	5
Total		6	2	23	6

First year/second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 592	Seminar 2	(1)	0	2	1
OM 692	Thesis 2	6	0	18	0
Total		6	0	20	1

Second year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 593	Seminar 3	(1)	0	2	1
OM 694	Thesis 4	12	0	36	0
Total		12	0	38	1

Second year/second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 594	Seminar 4	(1)	0	2	1
OM 694	Thesis 4	12	0	36	0
Total		12	0	38	1

2) Plan A type 2

First year /first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 591	Seminar 1	(1)	0	2	1
OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	2	3	5
OM 502	Organic Standard System	3	2	3	5
OM 503	Organic Agribusiness Innovation and Technology Management	3	2	3	5
OM	Major Elective course 1	3	.....	.....	.....
Total		9	.....	.....	.....

First year/second semester

Code	Course	Credits	Theory	Practice	Self-study
กอ 504	นวัตกรรมการแปรรูปและการสร้างตราสินค้าผลิตภัณฑ์เกษตรอินทรีย์	3	2	2	5
OM	Major Elective course 2	3	.....	.....	.....
OM	Major Elective course 3	3	.....	.....	.....
OM	Major Elective course 4	3	.....	.....	.....
OM 592	Seminar 2	(1)	0	2	1
Total		12	.....	.....	.....

Second year/first semester

Code	Course	Credits	Theory	Practice	Self-study
OM	Major Elective course 5	3	.....	.....	.....
OM 593	Seminar 3	(1)	0	2	1
OM 691	Thesis 1	6	0	18	0
Total		9	.....	.....	.....

Second year/second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 594	Seminar 4	(1)	0	2	1
OM 692	Thesis 2	6	0	18	0
Total		6	0	20	1

Note: They are non-credit courses and are evaluated in S and U

3) Plan B

First year/first semester					
Code	Course	Credits	Theory	Practice	Self-study
OM 591	Seminar 1	(1)	0	2	1
OM 501	Research Methodology for Interdisciplinary Organic Agriculture Management	(3)	2	3	5
OM 502	Organic Standard System	3	2	3	5
OM 503	Organic Agribusiness Innovation and Technology Management	3	2	3	5
Total		6	8	5	21
First year/second semester					
Code	Course	Credits	Theory	Practice	Self-study
OM 504	Processing Innovation and Branding of Organic Products	3	2	3	5
OM	Major Elective course 1	3	.....	.....	.....
OM	Major Elective course 2	3	.....	.....	.....
OM	Major Elective course 3	3	.....	.....	.....
OM 592	Seminar 2	(1)	0	2	1
Total		12	.....	.....	.....

Second year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM	Major Elective course 4	3	.....	.....	.....
OM	Major Elective course 5	3	.....	.....	.....
OM	Major Elective course 6	3	.....	.....	.....
OM 593	Seminar 3	(1)	0	2	1
Total		9	.....	.....	.....

Second year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM	Major Elective course 7	3	.....	.....	.....
OM 594	Seminar 4	(1)	0	2	1
OM 690	Independent Study	6	0	18	0
Total		9	.....	.....	.....

Note: They are non-credit courses and are evaluated in S and U

Graduation Criteria for Master's Degree in Organic Agriculture Management (International Program)

Study Plan: Plan A, Type A 1

- 1) Pass the foreign language examination according to the criteria and conditions set by the university.
- 2) Present the thesis in English and pass the final oral examination given by the committee appointed by a higher education institution. Besides, it must be an open system for those interested in listening. The committee must consist of at least 4 instructors in charge of the program and experts from outside the university.
- 3) At least 1 full paper based on the thesis work or part of the thesis must be published or accepted for publication in a national journal by publication in a foreign or international language. The paper's quality must follow the announcement of the Higher Education Commission on Criteria for Consideration of Academic Journals for Academic Works.

Study Plan: Plan A, Type A 2

- 1) As specified in the program, all courses must have a grade point average of not less than 3.00 out of a 4-point system or its equivalent and must not have any course that receives the letter I and/or OP.
- 2) Pass the foreign language examination according to the criteria and conditions set by the university.
- 3) Present the thesis in English and pass the final oral examination given by the committee appointed by a higher education institution. Besides, it must be an open system for those interested in listening. The committee must consist of at least 4 instructors in charge of the program and experts from outside the university.
- 4) At least 1 paper based on the thesis work or part of the thesis must be published or accepted for publication in a national journal by publication in a foreign or international language. The paper's quality must follow the announcement of the Higher Education Commission on Criteria for Consideration of Academic Journals for Academic Work. Alternatively, the full paper must be presented at an international academic conference and published in its proceedings.

Education Plan: Plan B

- 1) Complete all courses as specified in the program, have a grade point average of not less than 3.00 out of a 4-point system or its equivalent, and have no course that receives the letter I and/or OP.
- 2) Pass the foreign language examination according to the criteria and conditions set by the university.
- 3) Pass the Comprehensive Examination.
- 4) Present independent study research reports in English and pass the final oral examination given by the committee appointed by a higher education institution. Besides, it must be an open system for those interested in listening and the committee must consist of at least 3 instructors in charge of the program.
- 5) At least 1 full paper based on the independent study research report or part of it must be presented at an international academic conference and published in its proceedings.

Organic Agriculture Management and Innovative Agricultural Products
(International Program)

PLOs	Sub-PLOs	Specific LO	Generic LO	Level
PLO1 Analyze and apply interdisciplinary competencies and technical skills for managing sustainable organic agriculture.	1. Apply principles of soil, plant, animal and ecological sciences to organic farming systems.	✓		K: Ap
	2. Use information technology to collect, analyze, and interpret farm-level data.		✓	S: Pre
	3. Collaborate in interdisciplinary research teams to address organic agriculture issues.		✓	A: Org
PLO2 Articulating the management of organic agriculture and agricultural businesses that are up to date with global changes, with innovation.	4. Analyze emerging trends on innovative practices in global organic agribusiness.	✓		K: An
	5. Communicate business plans and marketing strategies through reports and oral presentations.		✓	S: Art
	6. Apply problem-solving techniques to improve organic value chain efficiency.		✓	S: Art
PLO3 Articulating and developing agricultural innovations using the BCG economic model as a guideline for becoming an organic agricultural entrepreneur.	7. Design innovative products or processes based on BCG principles.	✓		S: Art
PLO 4 Organizing integrate academic communication and the use of technology in line with international research standards and ethics.	8. Develop and present research in adherence to ethical and international academic standards.		✓	E&C: Val