Doctor Degree Program
Organic Agriculture Management (International Program)
(New curriculum, 2019)

Institution: Maejo University

Campus / Faculty: International College

Doctor of Philosophy Program in Organic Agriculture Management (International Program)

Full name: Doctor of Philosophy (Organic Agriculture Management)

Abbreviation: Ph.D. (Organic Agriculture Management)

Total numbers of credits studies throughout the curriculum

Plan A Type 1	48 credits
Plan A Type 2	48 credits

Format of the curriculum

The doctoral degree program is a 3 years study program or graduate within 6 semester and not more than 6 academic calendar.

Language used

All learning and teaching activities are taught in English

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 are no learning and teaching activities in the summer.

2. Course operation

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 Applicants

Plan A Type 1

1) The Applicant must have graduated from a master's degree program or it's equivalent in the field of agriculture or other related fields from an educational institution recognized and certified by the Office of the Civil Service Commission, or an applicant with full experience in research or related work in the agricultural extension and community development for at least 3 year.

2) The applicant must be qualified according to Maejo University regulations on graduate education, according to related regulations and other announcements of the university, which is enforced at that time.

3) Other cases shall be at the discretion of the committee.

Plan A Type 2

1) The Applicant must have graduated from a master's degree program or it's equivalent in the field of agriculture or other related fields from an educational institution recognized and certified by the Office of the Civil Service Commission.

2) The applicant must be qualified according to Maejo University regulations on graduate education, according to related regulations and other announcements of the university, which is enforced at that time.

3) Other cases shall be at the discretion of the committee.

3. 3.1.1 Structure of the Curriculum

The curriculum structure is divided into subjects that correspond to those specified in the graduate program standards of the Ministry of Education. By dividing the structure into 2 types:

3.1.2.1 Plan A Type 1

1. Non-Credit courses	(12) credits
2. Dissertation	48 credits
Total credits throughout the curriculum	**48 credits**

3.1.2.2 Plan A Type 2

1. Non-credit courses	(12) credits
2. Major compulsory Course	6 credits
3. Major elective courses	6 credits
4. Dissertation	36 credits
Total credits throughout the curriculum	**48 credits**

Note ( ) are non-credit courses and they are evaluated in S or U

3.1.2 Courses in the curriculum

1) Plan A Type 1 **48 credits**

		Credits (Theory-Practical-Self-study)
1) Non-credit courses		**(12) credits**
OM 701	Research Methodology in Advanced Interdisciplinary Organic Agriculture Management	(3) (2–3–5)
OM 702	Organic Inputs for Organic Farming	(3) (2–3–5)
OM 791	Seminar 1	(1) (0–2–1)
OM 792	Seminar 2	(1) (0–2–1)
OM 793	Seminar 3	(1) (0–2–1)
OM 794	Seminar 4	(1) (0–2–1)
OM 795	Seminar 5	(1) (0–2–1)
OM 796	Seminar 6	(1) (0–2–1)
Note ( ) are non-credit courses and they are evaluated in S or U		
2) Dissertation		**48 Credits**
OM 891	Dissertation 1	6 (0–12–0)
OM 892	Dissertation 2	6 (0–12–0)
OM 893	Dissertation 3	6 (0–12–0)
OM 894	Dissertation 4	6 (0–12–0)
OM 895	Dissertation 5	12 (0–36–0)
OM 896	Dissertation 6	12 (0–36–0)

Other courses that are non-credit in 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. Basic courses for student that need to study improve their basic knowledge on the field of study without counting those credits, as approved by the lecturer responsible for the curriculum.

3.1.3 Plan A Type 2 **48 Credits**

		Credit (Theory-Practical-Self-Study)
1) Non-credit courses		**(12)** Credits
OM 701	Research Methodology in Advanced Interdisciplinary Organic Agriculture Management	(3) (2–3–5)
OM 702	Organic Inputs for Organic Farming	(3) (2–3–5)
OM 791	Seminar 1	(1) (0–2–1)
OM 792	Seminar 2	(1) (0–2–1)
OM 793	Seminar 3	(1) (0–2–1)
OM 794	Seminar 4	(1) (0–2–1)
OM 795	Seminar 5	(1) (0–2–1)
OM 796	Seminar 6	(1) (0–2–1)

Note ( ) are non-credit courses and they are evaluated in S or U

2) Major compulsory course		**6 credits**
OM 703	Organic Farming and Processing Technology	3 (2–2–5)
OM 704	Innovative and High Precision Agriculture	3 (2–2–5)

3) Major elective course **6 credits**

Choose from major elective courses that corresponds to the dissertation In accordance with the approval of the lecturer responsible for the curriculum and it should not be less than 6 credits, however, they can be chosen across the course group

		Credit (Theory-Practical-Self-Study)
Technology courses		
OM 711	Organic Agriculture and Standard Regulation	3 (2–2–5)
OM 712	Innovation of Natural Products	3 (2–2–5)
OM 713	Agricultural Products, Agricultural Processing Products and Cosmetic Analysis	3 (2–2–5)
OM 714	Beekeeping in Organic Farming Management	3 (2–2–5)
OM 715	Advanced Cannabis Science	3 (2–2–5)
Business and entrepreneurship		
OM 721	Modern Farm Business Management	3 (2–2–5)
OM 722	Startup Organic Agribusiness and Risk Management	3 (2–2–5)
OM 723	Techniques in Value Chain Creation of Organic Agricultural Products	3 (2–2–5)

OM 724	Entrepreneurial Management Strategy for Organic Agribusiness	3 (2–2–5)
OM 725	Digital Logistics Technology for Organic Agribusiness	3 (2–2–5)

4) Dissertation **48 Credits**

OM 891	Dissertation 1	6 (0–12–0)
OM 892	Dissertation 2	6 (0–12–0)
OM 893	Dissertation 3	6 (0–12–0)
OM 894	Dissertation 4	6 (0–12–0)
OM 895	Dissertation 5	12 (0–36–0)

Other courses that are non-credit in 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. Basic courses for student that need to study improve their basic knowledge on the field of study without counting those credits, as approved by the lecturer responsible for the curriculum.

3.1.4 Study Plan

1) Plan A Type 1

First year/first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 701	Research Methodology in Advanced Interdisciplinary Organic Agriculture Management	(3)	2	3	5
OM 791	Seminar 1	(1)	0	2	1
OM 891	Dissertation 1	6	0	12	0
Total		**6**	**2**	**17**	**6**

First year/second semester					
Code	**Course**	**Credits**	**Theory**	**Practice**	**Self-study**
OM 702	Organic Inputs for Organic Farming	(3)	2	3	5
OM 792	Seminar 2	(1)	0	2	1
OM 892	Dissertation 2	6	0	12	0

Total	**6**	**2**	**17**	**6**

Second year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 793	Seminar 3	(1)	0	2	1
OM 893	Dissertation 3	6	0	12	0
Total		**6**	**0**	**14**	**1**

Second year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 794	Seminar 4	(1)	0	2	1
OM 894	Dissertation 4	6	0	12	0
Total		**6**	**0**	**14**	**1**

Third year/ first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 795	Seminar 5	(1)	0	2	1
OM 895	Dissertation 5	12	0	36	0
Total		**12**	**0**	**38**	**1**

Third year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 796	Seminar 6	(1)	0	2	1
OM 896	Dissertation 6	12	0	36	0
Total		**12**	**0**	**38**	**0**

2) Plan A Type 2

First year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 701	Research Methodology in Advanced Interdisciplinary Organic Agriculture Management	(3)	2	3	5
OM 702	Organic Inputs for Organic Farming	(3)	2	3	5
OM 703	Organic Farming and Processing Technology	3	2	2	5
OM 791	Seminar 1	(1)	0	2	1
Total		**3**	**6**	**11**	**16**

First year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 704	Innovative and High Precision Agriculture	3	2	2	5
.....	Elective course	3	.....	.....	.....
OM 891	Dissertation 1	6	0	12	0
OM 792	Seminar 2	(1)	0	2	1
Total		**6**	.....	.....	.....

Second year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM.....	Elective course	3	.....	.....	.....
OM 793	Seminar 3	(1)	0	2	1
OM 892	Dissertation 2	6	0	12	0
Total		**9**	.....	.....	.....

Second year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 794	Seminar 4	(1)	0	2	1
OM 893	Dissertation 3	6	0	12	0
Total		**6**	**0**	**14**	**1**

Third year / first semester

Code	Course	Credits	Theory	Practice	Self-study
OM 795	Seminar 5	(1)	0	2	1
OM 894	Dissertation 4	6	0	12	0
Total		6	0	14	1

Third year / second semester

Code	Course	Credits	Theory	Practice	Self-study
OM 796	Seminar 6	(1)	0	2	1
OM 895	Dissertation 5	12	0	36	0
Total		**12**	**0**	**38**	**1**

Graduation Criteria for the Ph.D. Program in Organic Agriculture Management (International Program)

Types 1.1 and 1.2

1) Pass the foreign language exam or pass a foreign language proficiency test according to the rules and conditions announced by the university at that time.
2) Pass the Qualifying examination to be eligible for a dissertation request.
3) Pass the Comprehensive Examination.
4) Present the dissertation in English and pass the final oral examination with an open system for those interested in listening. A committee appointed by the university gives the examination, and it must consist of at least 5 instructors in charge of the program and experts from within and outside the university, both domestically and internationally.
5) At least 2 papers based on dissertation work or part of the work must be published or accepted for publication in a national or international journal in a foreign language. The journal's quality must be in accordance with the Announcement of the Higher Education Commission on Criteria for Consideration of Academic Journals for Academic Works.
6) If students receive scholarships from external organizations, Graduation criteria must meet the funding source's criteria but must not be lower than the program graduation criteria.

Type 2.1

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 Qualifying examination.
4) Present the dissertation in English and pass the final oral examination with an open system for those interested in listening. A committee appointed by the university gives the examination, and it must consist of at least 5 instructors in charge of the program and experts from within and outside the university.
5) At least 1 paper based on dissertation work or part of the work must be published or accepted for publication in a national or international journal in a foreign language. The journal's quality must be in accordance with the

Announcement of the Higher Education Commission on Criteria for Consideration of Academic Journals for Academic Works.

6) If students receive scholarships from external organizations, Graduation criteria must meet the funding source's criteria but must not be lower than the program graduation criteria.

Doctor of Philosophy in

Organic Agriculture Management and Innovative Agricultural Products

(International Program)

PLOs	Sub-PLOs	Specific LO	Generic LO	Level
PLO1 **(Design & Synthesis – High Cognitive Domain): Design** organic agriculture and agricultural innovation research plans, utilizing the Bio-Circular-Green (BCG) economic model as a framework to promote sustainable development.	1. Formulate original, advanced research plans for complex organic farming and bio-based innovation systems.	✓		E
	2. Critically audit and synthesize the Bio-Circular-Green (BCG) economic model into strategic sustainable development frameworks.	✓		E
PLO2 **(Create & Evaluate – Highest Cognitive/Psychomotor Domain): Create** new bodies of knowledge in organic agriculture and agricultural innovation while maintaining a deep responsibility toward community, society, and the environment.	3. Generate completely new, peer-reviewed bodies of knowledge in organic agricultural sciences.	✓		E
	4. Evaluate the environmental and socio-ecological impacts of innovative agricultural practices on regional communities.	✓		Art
PLO3 **(Develop & Formulate – Synthesis Domain): Develop** diverse management systems to enable entrepreneurs to achieve international standards and adapt effectively to future changes.	5. Formulate diverse agricultural management systems that satisfy international regulatory and standard benchmarks.	✓		Art
	6. Guide agricultural systems and entrepreneurs to adapt effectively to macro-level climate and economic trends.		✓	Art

PLOs	Sub-PLOs	Specific LO	Generic LO	Level
PLO 4 **(Advance & Organize – High Affective/Application Domain): Advance** the integration of communication technologies and developmental strategies in strict alignment with professional ethics and international academic standards.	7. Manage the integration of advanced communication technologies and digital tools to process global research databases		✓	Org
	8. Defend original scientific discoveries in international academic forums in strict alignment with elite professional ethics.		✓	Ogr