



ALLEGATO 1- Descrizione del percorso formativo per i corsi di studio erogati in lingua inglese

**MASTER DEGREE COURSE IN
SUSTAINABLE AGRICULTURE**

Study programme for students enrolled in the academic year 2025-2026

Attendance is recommendend.

**CURRICULUM
“SUSTAINABLE AGRICULTURE”**

Students will have to choose their study plan between two options:

- 1) **“SUSTAINABLE AGRICULTURE”**
- 2) **“SUSTAINABLE HORTICULTURE”**

**SUSTAINABLE AGRICULTURE
STUDY PLAN**

1st YEAR

MANDATORY UNITS	CREDITS
SUSTAINABLE AGRICULTURE	6
INTEGRATED MANAGEMENT OF ARTHROPOD PESTS	6
PRECISION FARMING	8
AGRICULTURAL MANAGEMENT OF BIOGEOCHEMICAL CYCLES	8
ADVANCED STATISTICS	8
SOIL MICROBIOLOGY	6
PLANT BREEDING	8
AGRIFOOD ECONOMICS AND POLICY	8
GIS FOR AGRO-ENVIRONMENTAL STUDIES	4

2nd YEAR

SUSTAINABLE MANAGEMENT OF PLANT DISEASES	6
2 FREE-CHOICE UNITS AMONG THE FOLLOWING (Other units are highly recommended as free-choice exams)	CREDITS
SUSTAINABLE AGRICULTURE: PERSPECTIVES FROM ABROAD	6
SUSTAINABLE LIVESTOCK SYSTEMS	6
WATER RESOURCES MANAGEMENT	6

OTHER ACTIVITIES	CREDITS
ADDITIONAL FREE-CHOICE UNITS <i>The student must include in the Study Plan 12 electives credits (CFU), freely chosen from all the available courses in the “Sustainable agriculture” degree programme or from other Master’s degree programmes in the whole University of Padova, provided that these credits are consistent with the student’s study programme.</i>	12
FINAL EXAMINATION	28

SUSTAINABLE HORTICULTURE STUDY PLAN	
1st YEAR	
MANDATORY UNITS	CREDITS
SUSTAINABLE AGRICULTURE	6
INTEGRATED MANAGEMENT OF ARTHROPOD PESTS	6
PRECISION FARMING	8
AGRICULTURAL MANAGEMENT OF BIOGEOCHEMICAL CYCLES	8
ADVANCED STATISTICS	8
SOIL MICROBIOLOGY	6
PLANT BREEDING	8
AGRIFOOD ECONOMICS AND POLICY	8
GIS FOR AGRO-ENVIRONMENTAL STUDIES	4
2nd YEAR	
SUSTAINABLE MANAGEMENT OF PLANT DISEASES	6
2 FREE-CHOICE UNITS AMONG THE FOLLOWING (Other units are highly recommended as free-choice exams)	CREDITS
SUSTAINABLE VEGETABLE PRODUCTION	6
URBAN HORTICULTURE	6
SUSTAINABLE VINEYARD AND ORCHARD MANAGEMENT	6
SUSTAINABLE MANAGEMENT OF SPORT AND ORNAMENTAL TURFGRASS	6
SUSTAINABLE AND GREEN INFRASTRUCTURES	6
OTHER ACTIVITIES	CREDITS
ADDITIONAL FREE-CHOICE UNITS <i>The student must include in the Study Plan 12 electives credits (CFU), freely chosen from all the available courses in the “Sustainable agriculture” degree programme or from other Master’s degree programmes in the whole University of Padova, provided that these credits are consistent with the student’s study programme.</i>	12
FINAL EXAMINATION	28

CURRICULUM “CROP AND SOIL”	
1st YEAR	
MANDATORY UNITS	CREDITS
SUSTAINABLE AGRICULTURE	6
INTEGRATED MANAGEMENT OF ARTHROPOD PESTS	6
PRECISION FARMING	8
AGRICULTURAL MANAGEMENT OF BIOGEOCHEMICAL CYCLES	8
ADVANCED STATISTICS	8
SOIL MICROBIOLOGY	6
PLANT BREEDING	8
AGRIFOOD ECONOMICS AND POLICY	8
RESEARCH PLANNING	8
2nd YEAR	
MANDATORY UNITS	CREDITS
SUSTAINABLE VITICULTURE AND WOODY CROP PRODUCTION	6

OTHER ACTIVITIES	CREDITS
ADDITIONAL FREE-CHOICE UNITS <i>The student must include in the Study Plan 8 electives credits (CFU), freely chosen from all the available courses in the “Sustainable agriculture” degree programme or from other Master’s degree programmes in the whole University of Padova, provided that these credits are consistent with the student’s study programme.</i>	8
FINAL EXAMINATION	40

CURRICULUM “PLANT HEALTH”	
1st YEAR	
MANDATORY UNITS	CREDITS
SUSTAINABLE AGRICULTURE	6
INTEGRATED MANAGEMENT OF ARTHROPOD PESTS	6
PRECISION FARMING	8
AGRICULTURAL MANAGEMENT OF BIOGEOCHEMICAL CYCLES	8
SOIL MICROBIOLOGY	6
PLANT BREEDING	8
AGRIFOOD ECONOMICS AND POLICY	8
WEED SCIENCE	6
2nd YEAR	
MANDATORY UNITS	CREDITS
BIOTECHNOLOGY FOR PLANT PROTECTION	6
IPM OF PATHOGENS OF FRUIT CROPS IN TEMPERATE CLIMATE	5
1 FREE-CHOICE UNITS AMONG THE FOLLOWING (Other units are highly recommended as free-choice exams)	CREDITS
IPM OF PESTS OF FRUIT CROPS AND WOODY ORNAMENTALS IN TEMPERATE CLIMATE	6
MANAGEMENT OF NATIVE AND NON-NATIVE PESTS IN THE LANDSCAPE	6
SUSTAINABLE USE OF PESTICIDES	6

OTHER ACTIVITIES FOR MUNDUS' STUDENTS	CREDITS
ADDITIONAL FREE-CHOICE UNITS <i>The student must include in the Study Plan 12 electives credits (CFU), freely chosen from all the available courses in the “Sustainable agriculture” degree programme or from other Master’s degree programmes in the whole University of Padova, provided that these credits are consistent with the student’s study programme.</i>	12
LANGUAGE COURSE OUTGOING (1 st year)* *Only outgoing Mundus students	1
LANGUAGE COURSE INCOMING (2 nd year)* *Only incoming Mundus students	1
RESEARCH TRAINING (1 st year)* *Only outgoing/incoming Mundus students	4
FINAL EXAMINATION	30

OTHER ACTIVITIES FOR REGULAR STUDENTS (NO MUNDUS' STUDENTS)	CREDITS
ADDITIONAL FREE-CHOICE UNITS <i>The student must include in the Study Plan 12 electives credits (CFU), freely chosen from all the available courses in the “Sustainable agriculture” degree programme or from other Master’s degree programmes in the whole University of Padova, provided that these credits are consistent with the student’s study programme.</i>	12
COMMUNICATION SKILLS (2nd year)** **only regular students of Plant health curriculum (no Mundus students)	1
GIS FOR AGRO-ENVIRONMENTAL STUDIES (1 st year)** ** only regular students of Plant health curriculum (no Mundus students)	4
FINAL EXAMINATION	30