

# SUSTAINABLE AGRICULTURE MINOR: 2019-2020

Name: \_\_\_\_\_ ID #: \_\_\_\_\_

Local Address: \_\_\_\_\_ E-mail: \_\_\_\_\_

\_\_\_\_\_ Local Phone: \_\_\_\_\_

Major: \_\_\_\_\_ Expected Graduation Date: \_\_\_\_\_

Major Advisor: \_\_\_\_\_

Students approach modern agricultural problems from a holistic perspective, emphasizing agricultural planning integrated with ecological principles. Through experience in sustainable agricultural practices, students learn about a farm/ranch in the context of an agro-ecosystem: a system whose processes and relationships can be manipulated to allow production with fewer adverse environmental impacts and external inputs. Students develop knowledge and skills involving holistic management, crop production, and adaptive decision-making in a hands-on environment. The minor is available to all Cal Poly students.

## Required Courses..... 18

*Advanced version of the following courses may be substituted by production majors.*

- |   |  |
|---|--|
| AEPS 203 Organic Farming Enterprise Project (2)       | AG 360 Holistic Management (4)                                 |
| AEPS/AG 315 Principles of Organic Crop Production (4) | NR 324 Social Dimensions of Sustainable Food and Fiber Systems |
| AG 339 Internship in Agriculture (4)                  |  |

## Area Studies ..... 11

Select minimum of one course from three of the following Areas. A minimum of 4 units must be at the 300-400 level.

### *Agriculture and Society Area:*

- |  |   |
|--|---|
| <input type="checkbox"/> AG 350 The Global Environment (4)           | <input type="checkbox"/> SOC 309 The World System and Its Problems (4)                                    |
| <input type="checkbox"/> AGB 312 Agricultural Policy (4)             | <input type="checkbox"/> UNIV/POLS 333 World Food Systems (4)   |
| <input type="checkbox"/> GEOG/ERSC 333 Human Impact on the Earth (4) | <input type="checkbox"/> UNIV/PSC/HNRS 391 Appropriate Technology for the World's People: Development (4) |
| <input type="checkbox"/> NR 142 Environmental Management (4)         |   |

### *Production Agriculture Area:*

- |  |   |
|--|---|
| <input type="checkbox"/> AEPS 321 Weed Biology and Management (4)            | <input type="checkbox"/> ASCI 221 Introduction to Beef Production (4)   |
| <input type="checkbox"/> AEPS/BOT 323 Plant Pathology (4)                    | <input type="checkbox"/> ASCI 223 Systems of Small Ruminant Management (4)                                    |
| <input type="checkbox"/> AEPS 431 Insect Pest Management (4)                 | <input type="checkbox"/> ASCI 311 Advanced Beef Cattle System Management (4)                                  |
| <input type="checkbox"/> AEPS 441 Biological Control for Pest Management (4) | <input type="checkbox"/> BRAE 340 Irrigation Water Management (4)   |
| <input type="checkbox"/> AEPS 445 Cropping Systems (4)                       | <input type="checkbox"/> BUS 212 Financial Accounting for Nonbusiness Majors (4)                              |
| <input type="checkbox"/> AGB 212 Agricultural Economics (4)                  | <input type="checkbox"/> SS 221 Soil Health and Plant Nutrition (4)<br>or SS 322 Soil Plant Relationships (4) |

### *Agroecology Area:*

- |  |  |
|--|--|
| <input type="checkbox"/> NR 306 Natural Resource Ecology and Habitat Management (4)  | <input type="checkbox"/> SS 321 Soil Morphology (4)        |
| <input type="checkbox"/> NR 323 Human Dimensions in Natural Resources Management (4) | <input type="checkbox"/> SS 440 Forest and Range Soils (4) |

### *Environmental Design Area:*

- |   |  |
|---|--|
| <input type="checkbox"/> AEPS 381 Native Plants for California Landscapes (4) | <input type="checkbox"/> LA 221 California Plants and Plant Communities (4)                          |
| <input type="checkbox"/> EDES 406 Sustainable Environments (4)                | <input type="checkbox"/> UNIV/PSC/HNRS 392 Appropriate Technology for the World's People: Design (4) |
| <input type="checkbox"/> LA 202 Design Fundamentals I (4)                     |  |

## Total Units for the Minor: ..... 29

### APPROVALS:

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Department Head or Minor Coordinator Signature

\_\_\_\_\_  
Date:

Copies: Sustainable Ag. Minor Coordinator, HCS Department, Graduation Clerk, Records, Major Advisor, Student