



Degree and Study Plan

College: Agricultural and Marine Sciences
Department: Crop Sciences
Cohorts: 2012 - 2013
Degree: Bachelor of Science
Major: Crop Sciences

Summary of Credits:

University Requirements (UR)	6
Arabic	3
Contemporary Omani Society	1
Oman & Islamic Civilization or Islamic Culture	2
University Electives (UE)	6
See List A	
College Requirements (CR)	29
See list B	
College Electives (CE)	9
See list C	
Departmental Requirements (DR)	
See list D	
Departmental Electives	
See list E	
Major Requirements (AR)	60
See list F	
Major Electives (AE)	15
See list G	
Specialization Requirements (SR)	
See list H	
Specialization Electives (SE)	
See list I	
Minor Requirements (IR)	3
See list J	
Minor Electives (IE)	15
See list K	
TOTAL	125

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Ext. 1214

HoD: **Dr. Ahmed Al-Maskri**

Date:

Dean's Office: **Prof. Anvar Kacimov**

Date:

Admission and Registration:

Date:

DEPARTMENT OF CROP SCIENCES

CROP SCIENCES

Study Plan: for Cohort 2012 - 2013

Sem.	Course Code	Course Title	Cr.	Pre-req./Co-req.*	Cat.
ONE FALL		Foundation Program	0		UR
	TOTAL		0		

TWO SPRING	ARAB1001	Arabic	3		UR
	CAMS2000	Intro. CAMS	0		CR
	CAMS2003	Intro. to Food and Resource Economics	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
	CHEM2101	General Chemistry I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	CR
	LANC2140	English for CAMS I	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
		University Elective	2		UE
	TOTAL		15		

THREE FALL	HIST1010	Oman & Islamic Civilization	2	ISLM1010	UR
	BIOL2101	General Biology I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
	LANC2141	English for CAMS II	3	LANC(2140 or 2142)	CR
		University Elective	2		UE
		University Elective	2		UE
	CROP2510	Intro. to Crop Production	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
	TOTAL		16		

FOUR SPRING	SOCI3320	Contemporary Omani Society	1	=SOCY1001	UR
	CAMS3000	Seminar & Presentation Skills	2	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	CR
	CAMS3001	Biometry & Expt. Des. AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	CR
	PHYS2101	General Physics I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	CR
	SWAE2201	Introduction to Soils and Water	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
		College Elective	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
	TOTAL		16		

FIVE FALL	CROP2001	Genetics in Agriculture	3	BIOL2101	AR
	CROP2011	Ornamental Horticulture	3	BIOL2101	AR
	CROP2201	Introduction to Agricultural Biotechnology	3	BIOL2101	AR
	CROP3512	Vegetable Production	3	CROP2510	AR
	CROPXXXX	Major Elective	3	Check pre-requisites	AE
	TOTAL		15		

SIX SPRING	BIOL3011	Plant Physiology	3	BIOL2101, CAMS2000, CROP2510	AR
	CROP3514	Fruit Production	3	CROP2510	AR
	CROP3526	General Entomology	3	BIOL2101	AR
	CROP4005	Field Crop Production	3	CROP2510 + CR*	AR
	CROP4006	Weeds & Their Control	3	CR*	AR
	TOTAL		15		

SEVEN FALL	CROP3502	Forages and Pastures	3	BIOL2101	AR
	CROP3522	Plant Pathology	3	BIOL2101	AR
	CROP4001	Crop Physiology	3	BIOL3011 + CR*	AR
	CROP4011	Plant Propagation	3	CROP2510 + CR*	AR
	CROP4526	Economic Entomology	3	CROP3526 + CR*	AR
TOTAL			15		

EIGHT SPRING	CROP4514	Landscape Plant Management	3	CROP(2011, 2510) + CR*	AR
	CROP4517	Nursery & Greenhouse Management	3	CROP2510 + CR*	AR
	CROP4529	Pesticides in Agriculture	3	CROP3526 + CR*	AR
	CROP4546	Integrated Pest and Disease Management	3	CROP(3522, 3526) + CR*	AR
	CROPXXXX	Major Elective	3	Check pre-requisites	AE
TOTAL			15		

SUMMER	CROP4800	Crop Sciences Internship	3	After 90 Credits + CR*	AR
	TOTAL			3	

NINE FALL	CAMS4001	Management & Business Skills	3	CR*	CR
	CROP4542	Diseases of Economic Crops	3	CROP3522 + CR*	AR
	CROPXXXX	Major Elective	3	Check pre-requisites	AE
	CROPXXXX	Major Elective	3	Check pre-requisites	AE
	CROPXXXX	Major Elective	3	Check pre-requisites	AE
TOTAL			15		

* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

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LIST B: College Requirements (29 Credits)

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
BIOL2101	General Biology I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
CAMS2000	Introduction to Agricultural and Marine Sciences	0		
CAMS2003	Introduction to Food and Resource Economics	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
CAMS3000	Seminar and Presentation Skills	2	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	
CAMS3001	Biometry and Experimental Design in AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	
CAMS4001	Management and Business Skills	3	CR*	
CHEM2101	General Chemistry I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	
LANC2140	English for CAMS I	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
LANC2141	English for CAMS II	3	LANC(2140 or 2142)	
PHYS2101	General Physics I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	

LIST C: College Electives (9 Credits)

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
ANVS2101	Principles of Animal Science	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	ANVS2001
ANVS2201	Introduction to Veterinary Technology	3		ANVS2002
CROP2510	Introduction to Crop Production	3		
FSHN2101	Principles of Food Science	3		FSHN2071
FSHN2301	Introduction to Human Nutrition and Dietetics	3		
MASF2003	Introduction to Marine Science and Fisheries	3		
SWAE2001	Introduction to Agricultural Engineering	3		
SWAE2201	Introduction to Soils and Water	3		

* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

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LIST F: Major Requirements (60 Credits)

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
BIOL3011	Plant Physiology	3	BIOL2101, CAMS2000, CROP2510	
CROP2001	Genetics in Agriculture	3	BIOL2101	
CROP2011	Ornamental Horticulture	3	BIOL2101	
CROP2201	Introduction to Agricultural Biotechnology	3	BIOL2101	
CROP3512	Vegetable Production	3	CROP2510	
CROP3502	Forages and Pastures	3	BIOL2101	
CROP3514	Fruit Production	3	CROP2510	
CROP3522	Plant Pathology	3	BIOL2101	
CROP3526	General Entomology	3	BIOL2101	
CROP4001	Crop Physiology	3	BIOL3011, CR*	
CROP4005	Field Crop Production	3	CROP2510 + CR*	
CROP4006	Weeds and their Control	3	CR*	
CROP4011	Plant Propagation	3	CROP2510 + CR*	
CROP4514	Landscape Plant Management	3	CROP(2011, 2510) + CR*	
CROP4517	Nursery and Greenhouse Management	3	CROP2510 + CR*	
CROP4526	Economic Entomology	3	CROP3526 + CR*	
CROP4529	Pesticides in Agriculture	3	CROP3526 + CR*	
CROP4542	Diseases of Economic Crops	3	CROP3522 + CR*	
CROP4546	Integrated Pest & Disease Management	3	CROP3522, CROP3526 + CR*	CROP4544 or CROP4528
CROP4800	Crop Sciences Internship	3	After 90 Credits + CR*	

LIST G: Major Electives (15 Credits)**

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
CROP3121	Bee Keeping	3	BIOL2101	CROP4521
CROP4002	Methods in Plant Breeding	3	CROP2001 + CR*	
CROP4111	Methods in Plant Pathology	3	CR*	CROP4543
CROP4115	Phytonematology	3	CR*	CROP4545
CROP4213	Floriculture	3	CR*	CROP4513
CROP4512	Post-harvest Physiology	3	CR*	
CROP4520	Crop Growth and Management	3	BIOL2101 + CR*	
CROP4523	Medical and Veterinary Entomology	3	CR*	
CROP4524	Biological Control of Arthropod Crop Pests	3	CROP3526 + CR*	CROP4527
CROP4530	Insect Biotechnology	3	CROP2201 or BIOL2102 or ANVS3001 or BIOC2011 + CR*	CROP4525
CROP4541	Plant Pathogens	3	CROP3522 + CR*	
CROP4900	Crop Sciences Special Problem	3	After 90 Credits, GPA>2.0 + CR*	

* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

** Courses from any Department of the College of Agricultural and Marine Sciences or another College, may be selected with the approval of Academic Advisor, Head of Department and Assistant Dean of Undergraduate Studies. **No course will be approved without filling the substitution form and getting all necessary approvals prior registering any course not listed in the above degree plan.**

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LIST J: Minor Requirements (3 Credits)

Course Code	Course Title	Cr.	Pre-Requisite
CROP2510	Introduction to Crop Production	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)

LIST K: Minor Electives (15 Credits)

Course Code	Course Title	Cr.	Pre-Requisite
CROP2011	Ornamental Horticulture	3	BIOL2101
CROP3502	Forages and Pastures	3	BIOL2101
CROP3512	Vegetable Production	3	CROP2510
CROP3514	Fruit Production	3	CROP2510
CROP3522	Plant Pathology	3	BIOL2101
CROP3526	General Entomology	3	BIOL2101
CROP4005	Field Crop Production	3	CROP2510 + CR*
CROP4514	Landscape Plant Management	3	CROP(2011, 2510) + CR*

* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).