



## Degree and Study Plan

College: Agricultural & Marine Sciences  
Department: Food Science and Nutrition  
Cohort: 2015  
Degree: Bachelor of Science  
Major: Human Nutrition

### **Summary of Credits:**

<b>University Requirements (UR)</b>	<b>6</b>
Arabic	3
Contemporary Omani Society	1
Oman & Islamic Civilization or Islamic Culture	2
<b>University Electives (UE)</b>	<b>6</b>
See List A	
<b>College Requirements (CR)</b>	<b>29</b>
See list B	
<b>College Electives (CE)</b>	<b>9</b>
See list C	
<b>Departmental Requirements (DR)</b>	
See list D	
<b>Departmental Electives (DE)</b>	
See list E	
<b>Major Requirements (AR)</b>	<b>66</b>
See list F	
<b>Major Electives (AE)</b>	<b>9</b>
See list G	
<b>Specialization Requirements (SR)</b>	
See list H	
<b>Specialization Electives (SE)</b>	
See list I	
<b>Minor Requirements (IR)</b>	<b>3</b>
See list J	
<b>Minor Electives (IE)</b>	<b>15</b>
See list K	
<b>TOTAL</b>	<b>125</b>

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HoD: **Dr. Ahmed Al Alawi**

Date:

Dean's Office: **Dr. Rashid Al Yahyai**

Date:

Admission and Registration:

Date:

# DEPARTMENT OF FOOD SCIENCE AND NUTRITION

## HUMAN NUTRITION

### Study Plan: for Cohort 2015

Sem.	Course Code	Course Title	Cr.	Pre-Requisite	Cat.
ONE FALL		Foundation Program	0		UR
	<b>TOTAL</b>		<b>0</b>		
TWO SPRING	ARAB1001	Arabic	3		UR
	CAMS2000	Intro. CAMS	0		CR
	CAMS2003	Intro. to Food & 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
	LANC2145	Communication in Agricultural Sciences	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
		University Elective	2		UE
<b>TOTAL</b>		<b>15</b>			
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
	LANC2146	Academic Writing in Science	3	<b>LANC(2140 or 2145 or 2058)</b>	CR
		University Elective	2		UE
		University Elective	2		UE
	FSHN2301	Introduction to Human Nutrition	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
<b>TOTAL</b>		<b>16</b>			
FOUR SPRING	SOCY1001	Contemporary Omani Society	1	= SOCI3320	UR
	CAMS3000	Seminar & Presentation Skills	2	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2146	CR
	CAMS3001	Biometry & Experimental Design in AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2146	CR
	PHYS2101	General Physics I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	CR
	FSHN2101	Principles of Food Science	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
<b>TOTAL</b>		<b>16</b>			
FIVE FALL	FSHN2102	Prin. of Food Science – Application Lab	2	FSHN2101	AR
	FSHN2302	Principles of Biochemistry	3	BIOL2101, CHEM2101	AR
	FSHN3305	Macronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)	AR
	BIOL3441	Microbiology	3	BIOL2101	AR
	NURS1010 OR NURS2016	Anatomy & Physiology I/II with Lab	4		AR
	<b>TOTAL</b>		<b>15</b>		
SIX SPRING	NREC3107	Food Service Systems – Operation Management	3	FSHN2301 or NREC3101	AR
	LANC2034	Academic English for Nutrition	3	LANC2146	AR
	NURS1010 OR NURS2016	Anatomy & Physiology I/II with Lab	4		AR
	FSHN3306	Micronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)	AR
	FSHN3307	Nutrition Assessment & Planning	3	FSHN2301, (BIOL2101 or CHEM2101)	
<b>TOTAL</b>		<b>16</b>			

SUMMER	FSHN3801	Nutrition Practicum I	1	FSHN2102, (FSHN3304 or NREC3107), BIOL3441	AR
	<b>TOTAL</b>		<b>1</b>		

SEVEN FALL	FSHN3304	Food Service Systems – Production & Purchasing	3	FSHN2101[LA1]	AR
	FSHN3309	Life Cycle Nutrition	3	FSHN (2301, 3307)	AR
	NURS1007	Psychology	2		AR
	FSHNXXXX	Major Elective	3	Check pre-requisites	AE
	FSHN3302	Clinical Biochemistry	3	FSHN2302	AR
	PHAR2001	Basics of Pharmacology and Nutrition	1	CHEM2101	AR
<b>TOTAL</b>		<b>15</b>			

EIGHT SPRING	FSHN4301	Medical Nutrition Therapy I	3	FSHN (3302, 3307, 3309), LANC (2034 or 2033), NURS (2016 or 1010)	AR
	FSHN3111	Public Sanitation	3	BIOL3441, FSHN2101 [LA3]	AR
	FSHNXXXX	Major Elective	3	Check pre-requisites	AE
	FSHN4306	Community Nutrition	3	FSHN (2301, 3307) + CR*	AR
	FSHN4307	Nutrition Care Process	2	FSHN3307 + CR*	AR
	NURS1009	Communication/Group Dynamics	2		AR
<b>TOTAL</b>		<b>16</b>			

SUMMER	FSHN3802	Nutrition Practicum II	1	FSHN (4301, 3801)	AR
	<b>TOTAL</b>		<b>1</b>		

NINE FALL	CAMS4001	Management & Business Skills	3	CR*	CR
	FSHN3803	Nutrition Practicum III	1	FSHN3802	AR
	FSHN4308	Medical Nutrition Therapy II	3	FSHN (4301,4307), NURS1009 + CR*	AR
	NURS1002	Sociology	2		AR
	FSHNXXXX	Major Elective	3	Check pre-requisites	AE
	NURS4020	Health Promotion & Education	2		AR
<b>TOTAL</b>		<b>14</b>			

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

\*\* Subject to approval of advisor, HoD and Assistant Dean for Undergraduate Studies

**DEPARTMENT OF FOOD SCIENCE AND NUTRITION**

**HUMAN NUTRITION**

**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), LANC2146	
CAMS3001	Biometry and Experimental Design in AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2146	
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)	
LANC2145	Communication in Agricultural Sciences	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
LANC2146	Academic Writing in Science	3	<b>LANC(2140 or 2145 or 2058)</b>	
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 (66 Credits)**

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
BIOL3441	Microbiology	3	BIOL2101	
FSHN2102	Principles of food science – Application lab	2	FSHN2101	
FSHN2302	Principles of Biochemistry	3	BIOL2101, CHEM2101	FSHN2001
FSHN3111	Public Sanitation	3	BIOL3441, FSHN2101,	FSHN4010
FSHN3302	Clinical Biochemistry	3	FSHN2302	
FSHN3304	Food Service Systems – Production & Purchasing	3	FSHN2101, CAMS2003	FSHN4305
FSHN3305	Macronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)	FSHN3444
FSHN3306	Micronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)	FSHN3333
FSHN3307	Nutrition Assessment and Planning	3	FSHN2301, (BIOL2101 or CHEM2101)	FSHN3303
FSHN3309	Life Cycle Nutrition	3	FSHN (2301, 3307)	FSHN4303
FSHN3801	Nutrition Practicum I	1	FSHN2102, (FSHN3304, or NREC3107), BIOL3441	
FSHN3802	Nutrition Practicum II	1	FSHN(4301, 3801)	
FSHN3803	Nutrition Practicum III	1	FSHN3802	
FSHN4301	Medical Nutrition Therapy I	3	FSHN (3302, 3307, 3309), LANC (2034 or 2033), NURS (1010 or 2016)	FSHN3401, FSHN3308
FSHN4306	Community Nutrition	3	FSHN(2301, 3307) + CR*	
FSHN4307	Nutrition Care Process	2	FSHN3307 + CR*	
FSHN4308	Medical Nutrition Therapy II	3	FSHN (4301, 4307),NURS1009 + CR*	FSHN4401
LANC2034	Academic English for Nutrition	3	LANC2146	LANC2033
NREC3107	Food Service Systems - Operation Management	3	FSHN2102 or NREC3101	
NURS1002	Sociology	2	-	
NURS1007	Psychology	2	-	
NURS1009	Communication & Group Dynamics	2	-	
NURS1010	Anatomy and Physiology I	4	-	
NURS2016	Anatomy and Physiology II	4	-	
NURS4020	Health Promotion and Education	2	-	
PHAR2001	Basics of Pharmacology and Nutrition	1	CHEM2101	PHAR2004

**LIST G: Major Electives (9 Credits)\*\*\***

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
CHEM3323	Organic Chemistry for CAMS	3	CHEM2101	
FSHN3103	Food Analysis	3	CHEM3323, FSHN2302	FSHN3072
FSHN3104	Food Chemistry I	3	CHEM3323, FSHN2302	FSHN3071
FSHN3105	Food Microbiology I	3	BIOL3441	FSHN3073
FSHN3109	Sensory Evaluation of Food	3	FSHN2101	FSHN4271
FSHN3112	Functional Foods	3	FSHN (2101 or 2301)	
FSHN4102	Food Laws and Regulations	3	FSHN2101 + CR*	FSHN4172
FSHN4309	Nutritional Toxicology	3	FSHN(2301 or 3104) + CR*	
FSHN4310	Nutrigenomics	3	FSHN3307 + CR*	
FSHN4311	Sports Nutrition	3	FSHN3307 + CR*	
FSHN4902	Research Project in Food and Nutrition Sciences	3	After 87 Credits, GPA≥2.0 + CR*	
NREC3012	Economics of Food Consumption and Policy	3	CAMS2003	

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

\*\*\* Courses from any Department (preferably related to a Minor) 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.**

## DEPARTMENT OF FOOD SCIENCE AND NUTRITION

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#### LIST J: Minor Requirements (3 Credits)

Course Code	Course Title	Cr.	Pre-Requisite
FSHN2301	Introduction to Human Nutrition and Dietetics	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
FSHN2302	Principles of Biochemistry	3	BIOL2101, CHEM2101
FSHN3305	Macronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)
FSHN3306	Micronutrients in Human Nutrition	3	FSHN2301, (BIOL2101 or CHEM2101)
FSHN3307	Nutrition Assessment and Planning	3	FSHN2301, (BIOL2101 or CHEM2101)
FSHN3111	Public Sanitation****	3	BIOL3441, FSHN2101
FSHN3309	Life Cycle Nutrition	3	FSHN (2301, 3307)
FSHN4306	Community Nutrition	3	FSHN(2301, 3307) + CR*

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

\*\*\*\* Students who pass FSHN3107 cannot take FSHN3111

