جامعة الإمارات العربيـة المتحدة United Arab Emirates University

Department of Integrative Agriculture

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2022-2023 Cohort onwards) Concentration: Marine Fisheries and Animal Science

For Students Admitted to the University in the Fall Semester

Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
	CHEM111	General Chemistry I	3	Specialization
1	ARAG205	Introduction to Fish & Animal Science	3	Specialization
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
🔄 (Fall)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
Year			15	
× ∼	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
2	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
(ARAG310	Agricultural Technology Transfer	3	Specialization
(Spring)	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
1919 07	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			15	
2	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
3	ARAG220	Natural Resources	3	Specialization
(= 11)	BIOL210	Animal Biology	3	Specialization
ر (Fall)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
<u> </u>	Elective	Student choice	3	Free Elective
ea			15	
\succ	CHEM283	Biochemistry for Non-Majors	3	Specialization
4	ARAG319	Anatomy & Physiology of Animals	3	Specialization
	ARAG230	Principles of Fisheries Management	3	Specialization
(Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	elective	Student choice	3	Minor Elective
	PHYS105	General Physics I	3	College Requirement
	BIOL270	General Genetics	2	Specialization
5	ARAG316	Animal Nutrition	3	Specialization
<i>()</i>	ARAG335	Production Medicine	3	Specialization
(Fall)	ARAG326	Mariculture	3	Concentration
ო ` ′	Elective	Student choice	3	Major Elective
a			17	·····
/eai	STAT235	Statistics for Biology	3	College Requirement
	ARAG325	Fisheries Management and Conservation	3	Concentration
6	ARAG314	Animal Breeding & Biotechnology	3	Specialization
	ARAG424	Fish Breeding and Propagation	3	Concentration
(Spring)	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	ELECTIVE	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			18	
	ARAG425	Shellfish and Molluscan Aquaculture	3	Concentration
7	ARAG440	Seminar in Animal Science	1	Specialization
· · · · ·	Elective	Student choice	3	Major Elective
ব (Fall)	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Free Elective
/ear			13	
∕ 8	ARAG485	Senior Project	3	Specialization
	ARAG445	Internship	3	Internship
(Spring)	ARAG434	Reproductive Physiology	3	Specialization
(Shing)	ELECTIVE	Student choice	3	Minor Elective
			12	

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Department of Integrative Agriculture

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2022-2023 Cohort onwards) **Concentration: Marine Fisheries and Animal Science**

For Students Admitted to the University in the Spring Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
1	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	ARAG310	Agricultural Technology Transfer	3	Specialization
(Spring)	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
an			15	
Ϋ́θ	CHEM111	General Chemistry I	3	Specialization
2	ARAG205	Introduction to Fish & Animal Science	3	Specialization
(ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
(Fall)	ELECTIVE	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
(- 7	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
			15	
	BIOL210	Animal Biology	3	Specialization
3	ARAG319	Anatomy & Physiology of Animals	3	Specialization
5	ARAG314	Animal Breeding & Biotechnology	3	Specialization
(Spring)	ARAG230	Principles of Fisheries Management	3	Specialization
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
ar	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
/e			18	
	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
4	ARAG220	Natural Resources	3	Specialization
(=.11)	ARAG326	Mariculture	3	Concentration
(Fall)	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	ELECTIVE	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			15	
	CHEM283	Biochemistry for Non-Majors	3	Specialization
5	STAT235	Statistics for Biology	3	College Requirement
(Contine)	ARAG325	Fisheries Management and Conservation	3	Concentration
(Spring)	ARAG424 Elective	Fish Breeding and Propagation Student choice	3	Concentration Major Floating
m	Elective	Student choice	3 15	Major Elective
ear	PHYS105	Canadal Dhusies I	3	Callege Deguigement
<u>></u>	BIOL270	General Physics I General Genetics	3	College Requirement Specialization
6	ARAG316	Animal Nutrition	2	Specialization
	ARAG316 ARAG335	Production Medicine	3	Specialization
(Fall)	ELECTIVE	Student choice	3	Major elective
(* 6)	ELECTIVE	Student choice	3	Minor Elective
			17	
_	ARAG434	Reproductive Physiology	3	Specialization
7	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Minor Elective
→ (Spring)	Elective	Student choice	3	Free Elective
Ľ.			12	
ea	ARAG425	Shellfish and Molluscan Aquaculture	3	Concentration
⊁ 8	ARAG440	Seminar in Animal Science	1	Specialization
	ARAG485	Senior Project	3	Specialization
(Fall)	ARAG445	Internship	3	Internship
(1 a11)	ELECTIVE	Student choice	3	Free Elective
			13	

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Department of Integrative Agriculture

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2022-2023 Cohort onwards) **Concentration: Animal Science**

For Students Admitted to the University in the Fall Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
	CHEM111	#REF!	###	Specialization
1	ARAG205	#REF!	###	Specialization
с Э	ESPU106	#REF!	###	Gen Ed Course (Cluster 1: Area 2: English Communication)
n∽ (Fall)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
(-)	Elective	#REF!	###	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
			###	
	BIOC100	#REF!	####	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
2	MATH105	#REF!	###	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	ARAG310	#REF!	###	Specialization
(Spring)	PHI180	#REF!	###	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	GESU121	#REF!	###	Gen Ed Course (Cluster 3: Area 2: Sustainability)
			###	
	CHEM282	#REF!		Specialization
2 3	ARAG220	#REF!	###	Specialization
L J	ARAG322	#REF!	###	Concentration
e (Fall)	HSS105	#REF!	###	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
لا (Fall)	Elective	#REF!		Free Elective
		and a second	###	
	CHEM283	#REF!	###	Specialization
4	ARAG319	#REF!	###	Specialization
•	ARAG435	#REF!	###	Concentration
(Spring)	ARAG230	#REF!	###	Specialization
	GEIE222	#REF!	###	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship
	-		###	
	DUNC4 OF	"DEEL		Callera Danisarant
	PHYS105	#REF!		College Requirement
<u> </u>	BIOL270	#REF!		Specialization
ອ	ARAG316	#REF!	###	Specialization
ອັ ≻ (Fall)	ARAG335	#REF!	###	Specialization
	Elective	#REF!		Major Elective
	Elective	#REF!		Major Elective
			###	
	STAT235	#REF!	###	College Requirement
	BIOL210	#REF!	###	Specialization
6	ARAG314	#REF!	###	Specialization
	ARAG318	#REF!	###	Concentration
(Spring)				
	GEIT112	#REF!	###	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	ELECTIVE	#REF!	###	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			###	
	ARAG432	#REF!	###	Concentration
₹ 7	ARAG440	#REF!	###	Specialization
σ	Elective	#REF!	###	Major Elective
Fall)	Elective	#REF!		Major Elective
(*)	Elective	#REF!	###	Free Elective
			###	
	ARAG485	#REF!	###	Specialization
8	ARAG445		###	
		#REF!		Internship
(Spring)	ARAG434	#REF!	###	Specialization
	ELECTIVE	#REF!	###	Major Elective
			###	



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Department of Integrative Agriculture

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2022-2023 Cohort onwards) **Concentration: Animal Science**

For Students Admitted to the University in the Spring Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
	BIOC100	#REF!	###	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
1	MATH105	#REF!	###	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
-	ARAG310	#REF!	###	
	PHI180	#REF!	###	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	GESU121	#REF!	###	
Year			###	
*	CHEM111	#REF!	###	Specialization
2	ARAG205	#REF!	###	Specialization
	ESPU106	#REF!	###	Gen Ed Course (Cluster 1: Area 2: English Communication)
(Fall)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
(i any	ELECTIVE	#REF!	###	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
			###	
	STAT235	#REF!	###	College Requirement
3	ARAG319	#REF!	###	Specialization
5	ARAG314	#REF!	###	Specialization
(Coring)	ARAG230	#REF!	###	Specialization
۲ (Spring)	HSS105	#REF!	###	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
a	Elective	#REF!	###	
Ye			###	
	CHEM282	#REF!	###	Specialization
4	ARAG220	#REF!	###	Specialization
	ARAG322	#REF!	###	Concentration
(Fall)	GEIE222	#REF!	###	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
(1 011)	GEIT112	#REF!	###	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
			###	
	CHEM283	#REF!	###	Specialization
5	BIOL210	#REF!	###	Specialization
	ARAG435	#REF!	###	Concentration
(Spring)	ARAG318	#REF!	###	Concentration
m (0 p · · · · 8)	Elective	#REF!	###	Major Elective
			###	
Year	PHYS105	#REF!	###	College Requirement
≻ 6	BIOL270	#REF!	###	1
0	ARAG316	#REF!	###	Specialization
(Eall)	ARAG335	#REF!	###	Specialization
(Fall)	ELECTIVE	#REF!	###	· ·
	ELECTIVE	#REF!	###	Major Elective
			###	
7	ARAG434	#REF!	###	Specialization
/	Elective	#REF!	###	Major Elective
→ (Spring)	Elective	#REF!	###	
	Elective	#REF!		Major Elective
Year			###	
ž	ARAG432	#REF!		Concentration
8	ARAG440	#REF!	###	
	ARAG485	#REF!	###	Specialization
(Fall)	ARAG445	#REF!	###	Internship
()	ELECTIVE	#REF!	###	Free Elective
			###	



جامعة الإمارات العربيـة المتحدة United Arab Emirates University

Department of Integrative Agriculture

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2025-2026 Cohort onwards) Concentration: Marine Fisheries and Animal Science

> For Students Admitted to the University in the Fall and Spring Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
	CHEM111	General Chemistry I	3	Specialization
1	ARAG205	Introduction to Fish & Animal Science	3	Specialization
-	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
_ (Fall)	GEAE101	Academic English for Humanities and STEM	3	Gen, Ed. Theme 2: Academic Language Proficiency
	GEIT113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
ar			15	
Year	BIOC100	Basic Biology I	3	College Requirement
2	MATH105	Calculus I	3	College Requirement
	ARAG230	Principles of Fisheries Management	3	Specialization
(Spring)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
(00000)	GESU121	Sustainability	3	Gen. Ed. Theme 5: Sustainability
			15	
-	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
3	ARAG220	Natural Resources	3	Specialization
(ARAG319	Anatomy & Physiology of Animals	3	Specialization
∼ (Fall)	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
	Elective	Student choice	3	Free Elective
Year			15	
	CHEM283	Biochemistry for Non-Majors	3	Specialization
4	ARAG325	Fisheries Management and Conservation	3	Specialization
(BIOL210	Animal Biology	3	Specialization
(Spring)	ARAG310	Agricultural Technology Transfer	3	Specialization
	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
			15	
	PHYS105	General Physics I	3	College Requirement
5	BIOL270	General Genetics	2	Specialization
	ARAG316	Animal Nutrition	3	Specialization
(Fall)	ARAG335	Production Medicine	3	Specialization
m (1 an)	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Concentraion Elective
ear	CTATOOL	Chabinhing for Dialogy	3	Callege Dequirement
\succ	STAT235 ARAG425	Statistics for Biology Shellfish and Molluscan Aquaculture	3	College Requirement Concentration
6	ARAG425 ARAG314	Animal Breeding & Biotechnology	3	Specialization
(a	Elective	Student choice	3	Major Elective
(Spring)	Elective	Student choice	3	Concentraion Elective
. 3/	Elective	Student choice	3	Major Elective
			18	
	ARAG424	Fish Breeding and Propagation	3	Concentration
7	ARAG434	Reproductive Physiology	3	Specialization
	Elective	Student choice	3	Major Elective
ব (Fall)	ARAG433	Fish Nutrition	3	Specialization
	Elective	Student choice	3	Free Elective
ear			15	
1	ARAG485	Senior Project	3	Specialization
8	ARAG445	Internship	3	Internship
	ARAG440	Seminar in Animal Science	1	Specialization
(Spring)	Elective	Student choice	3	Concentraion Elective

جامعة الإمارات العربية المتحدة United Arab Emirates University

Bachelor of Science in Marine Fisheries and Animal Science Model Study Plan (2025-2026 Cohort onwards) Concentration: Animal Science

For Students Admitted to the University in the Fall and Spring Semester Total Degree Credit hours: 120

CHEMIA Contention Seculation 1 GRA205 Introduction for Jink Animal Science 3 Specialization 2 (Fall) GREMIA 3 General Theme 1: UAR National Identity GERMIA GREMIA 3 Gen. Ed. Theme 1: UAR National Identity GERMIA GREMIA 3 Gen. Ed. Theme 2: Academic English for Humanities and STEM 3 2 MATHOS Calculus I 3 Specialization 3 3 GREMIA Agreaumart Technology Transfer 3 Specialization 3 GREMIA Theme 2: Subart Chemics I:	Semester	Course Code	Course Title	СН	Course type
1 ARAG205 Introduction to Fish & Animal Science 3 Specialization 1 GEALS11 Academic English for Humanities and STEM 3 Gen. Ed. Theme 2: MA National Identity 2 GEALS11 Academic English for Humanities and STEM 3 Gen. Ed. Theme 2: MA National Identity 2 Introduction A X-Midal Intelligence 3 Specialization 3 Gen. Ed. Theme 2: MA National Identity 5 4 BIOC 100 Basic Biology 3 5 Gen. Ed. Theme 2: MA National Identity 3 6 Fig. 20 Findmanufal Go Innovation and Entrepreneurship 3 6 Fig. 21 Findmanufal Go Innovation and Entrepreneurship 3 7 GEALS2 Organic Chemistry for Non-Majors 3 Specialization 7 Field Biochemistry for Non-Majors 3 Specialization 7 RAG230 Principles of Fisheries Management 3 Specialization 7 RAG230 Principles of Fisheries Management 3 Specialization 8 Giology 3 Specialization 3 8 Bioc	Semester			1	
(Fall) GEALETIO Academic English for Humanities and STEM 3 Gen. Ed. Theme 2: Anademic Language Proficiency 2 BIOC100 Basic Biology I 3 Gen. Ed. Theme 2: Anademic Language Proficiency 3 Gen. Ed. Theme 2: Anademic Language Proficiency 3 Specialization 4 ARAG310 Apricultural Technology Transfer 3 Specialization 4 Gen. Ed. Theme 4: Subtainability 3 Gen. Ed. Theme 4: Subtainability 5 Gen. Ed. Theme 4: Subtainability 3 Gen. Ed. Theme 4: Subtainability 6 ARAG320 Natural Resources 3 Specialization 7 ARAG3220 Natural Resources 3 Specialization 7 ARAG3220 Natural Resources 3 Specialization 7 CHEM282 Organic Chemistry for Non-Majors 3 Specialization 8 Student choice 3 Specialization 3 9 Feetice Unit Student choice 3 Specialization 3 9 Introductory Poultry Production 3 Specialization 3 9 Introductory Poultry Production	1 1	ARAG205		3	
CFT113 Introduction to Artificial Intelligence 3 Cen. Ed. Theme 3: Innovation 2 BIOCLOO Basic Biology1 3 Specialization AAAG310 Agricultural Technology Transfer 3 Specialization CSpring) GET222 Fundamentals of Innovation and Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship CS GeTA Thematexits of Thematexits of Theme 4: Sustainability Specialization 3 GetE222 Fundamentals of Innovation and Entrepreneurship 3 Specialization 4 AAAC220 Natural Resources 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 8 Biochemistry for Non-Majors 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 4 Biology Introductory Poultry Production 3 Specialization 4 Biology Anacoss Specialization 3 5 <		GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
2 Math 200 Back Biology 1 3 Specialization 2 MAT103 Calculus 1 ARAG330 Agricultural Technology Transfer 3 Specialization 3 Gen. Ed. Theme 4: Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship 4 Back 200 Organic Chemistry for Non-Majors 3 Specialization 3 Gen. Ed. Theme 4: Entrepreneurship 3 Specialization 4 RAG220 Antural Recources 3 Specialization 4 RAG220 Antural Recources 3 Specialization 4 RAG220 Introductory Pourty Production 3 Specialization 4 RAG220 Introductory Pourty Production 3 Specialization 4 RAG220 Principles of Fisheries Management 3 Specialization 5 RAG338 Camel Management 3 Specialization 6 ARAG338 Camel Management 3 Specialization 6 RAG338 Camel Management 3 Specialization 6 RAG338 Camel Management 3 Specialization 7 RAG338 Camel Management 3 Specialization 8 Specialization <	≝ (Fall)				
BICCIO Baic Biology I 3 Specialization VATH05 Calculus I ARAG310 Agricultural Technology Transfer 3 Specialization CSpring) GEI222 Fundamentals of Innovation and Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship GEI223 Statianbility 3 Gen. Ed. Theme 4: Entrepreneurship 3 GEI223 Fundamentals of Innovation and Entrepreneurship 3 Specialization ARAG210 Antarding & Phytology of Animals 3 Specialization ARAG220 Organic Chemistry for Non-Majors 3 Specialization ARAG221 Introductory Poultry Production 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization BIOL210 Animal Biology 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization BIOL210 Animal Biology 3 Specialization ARAG338 Camel Management 3 Specialization BIOL210 Animal Biology 3	()	GEIT113	Introduction to Artificial Intelligence		Gen. Ed. Theme 3: Innovation
2 MATHIOS Calculus I a specialization (Spring) ARAG310 Apricultural Technology Training 3 Gen. Ed. Theme 4: Intrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship 3 Gen. Ed. Theme 5: Sustainability 3 Specialization 4 ARAG320 Nationy & Physiology of Animals 3 Specialization 4 ARAG320 Nationy & Physiology of Animals 3 Specialization 4 ARAG322 Introductory Poultry Production 3 Specialization 4 ARAG320 Animal Biology 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 6 ARAG320 Principles of Fisheries Management 3 Specialization 8 Biochemistry for Non-Majors 3 Specialization 8 Biology 3 Specialization 8 Biology 3 Specialization 8 Biochemistry for Non-Majors		RIOC100	Pasis Piology I		Specialization
Spring) AAA330 Apricultural Technology Transfer 3 Specialization GE1222 Fundamentals of Innovation and Entrepreneurship 3 Gen. Ed. Theme 4: Entrepreneurship SG GE1222 Organic Chemistry for Non-Majors 3 Specialization AAA339 Anatory & Physiology of Animals 3 Specialization AAA339 Anatory & Physiology of Animals 3 Specialization Elective Student choice 3 Specialization Elective Student choice 3 Specialization BioLol Animal Biology 3 Specialization AAA330 Aricolution (Politry Production 3 Specialization BioLol Animal Biology 3 Specialization BioLol General Genetics 2 Specialization BioLol General Genetics 3 Specialization BioLol General Genetics 3<	2				-
(Spring) CEEE22 Endmentals of fonovation and Entrepreneurship 3 Cent. Ed. Theme 4: Entrepreneurship 3 CEEM222 Sustainability 3 Sec. Ed. Theme 4: Entrepreneurship 3 CEEM222 Natural Resources 3 Specialization AAAG319 Antora Resources 3 Specialization AAAG319 Antora Resources 3 Specialization AAAG319 Antora Resources 3 Specialization 4 Student choice 3 Specialization 4 Biolochemistry for Non-Majors 3 Specialization 4 Biol210 Animal Biology 3 Specialization AAAG322 Introductory Poultry Production 3 Specialization Biol270 General Genetics 2 Specialization 5 AAAG318 Camel Management 3 Specialization 8 Specialization 3 Specialization 8 Specialization 3 Specialization 8 Specialization 3 Specialization 8 Staffastis for Biology <	Z				
GESUI1 Sustainability 3 Gen. 6.1. html 5. Sustainability 3 Gen. 6.1. html 5. Sustainability 3 Specialization 3 Specialization 3 Specialization 4 ARAG220 Anatural Resources 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 4 Biochemistry for Non-Majors 3 Specialization 6 ARAG322 introductory Poultry Production 3 Specialization 8 Biochemistry for Non-Majors 3 Specialization 8 RAG320 introductory Poultry Production 3 Specialization 8 RAG3210 Animal Nutrition 3 Specialization 8 RAG333 Principles of Fisheries Management 3 Specialization 9 Specialization 3 Specialization 3 9 General Genetic 3 Specialization 8	(Spring)			-	•
3 CH4M382 Organic Chemistry for Non-Majors 3 Specialization 3 (Fall) Elective 3 Specialization 4 Signed allasticities 3 Specialization 3 Specialization 3 Specialization 4 Signed allasticities 3 Specialization 3 Specialization 3 Specialization 4 Signed allasticities 3 Specialization 5 ARAG33 Camel Management 3 Specialization 6 Siddent choice 3 Specialization 3 6 Siddent choice 3 Specialization 3 6 Siddent choice 3 Specialization 3 7 Elective Statistics for Biology 3 College Requirement 8<	(Shing)				
3 CHEM22 Organic Chemistry for Non-Majors 3 Specialization 4RA6220 Natural Resources 3 Specialization 4RA6220 Anadomy & Physiology of Animals 3 Specialization 1 Elective Student choice 3 Free Elective 4 Biochemistry for Non-Majors 3 Specialization 4 ARA6322 Introductory Poultry Production 3 Specialization 4 ARA6322 Introductory Poultry Production 3 Specialization 4 ARA6322 Introductory Poultry Production 3 Specialization 4 ARA6321 Animal Biology 3 Specialization 4 ARA6322 Principles of Fisheries Management 3 Specialization 5 Mild General Genetics 2 Specialization 6 Maxialia Ananal Nutrition 3 Specialization 7 Genetics 2 Specialization 3 8 Statistics for Biology 3 Concentraion Elective 7 Feetive Student choice 3 Major Elective 8 Specialization 3 Concentraion Elective 9 Production Medicine <td></td> <td></td> <td>·</td> <td>15</td> <td></td>			·	15	
ARAG319 Anatomy & Physiology of Animals 3 Specialization Elective Student choice 3 Free Elective Image: Student choice 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG320 Principles of Fisheries Management 3 Specialization ARAG318 Camel Management 3 Specialization BIOL270 General Genetics 2 Specialization ARAG318 Camel Management 3 Specialization BIOL270 General Genetics 2 Specialization ARAG316 Animal Nutrition 3 Specialization ARAG314 Animal Nutrition 3 Specialization BIOL270 General Genetics 2 Specialization ARAG316 Animal Nutrition 3 Specialization ARAG315 Free Unition 3 General Genetics BIOL270		CHEM282	Organic Chemistry for Non-Majors		Specialization
ARAG319 Anatomy & Physiology of Animals 3 Specialization Elective Student choice 3 Free Elective Image: Student choice 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG322 Introductory Poultry Production 3 Specialization ARAG320 Principles of Fisheries Management 3 Specialization ARAG318 Camel Management 3 Specialization BIOL270 General Genetics 2 Specialization ARAG318 Camel Management 3 Specialization BIOL270 General Genetics 2 Specialization ARAG316 Animal Nutrition 3 Specialization ARAG314 Animal Nutrition 3 Specialization BIOL270 General Genetics 2 Specialization ARAG316 Animal Nutrition 3 Specialization ARAG315 Free Unition 3 General Genetics BIOL270	N 3	ARAG220	Natural Resources	3	Specialization
C(Fail) Elective Student choice 3 Free Elective 4 A According to the output of the ou	σ	ARAG319			
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