

Second: Agricultural Extension and Rural Development Program (ERD)

1. Basic Information about the Program: Agricultural Extension and Rural Development	
Program Title and Final Award	Bachelor of Science in Agricultural Extension and Rural Development
Awarding Body/ Institution	Faculty of Agriculture, Foods, and Environment
Teaching Institution/ Responsible Department	Department of Agricultural Economics- Faculty of Agriculture, Foods, and Environment
Program Type	Independent (*), Joint with Other Department(s) () Multi-Departmental ()
Other Departments Involved in Teaching the Program	Faculty of Agriculture, Foods, and Environment
Medium of Instruction	Arabic
Program Start Year	2020/ 2021
Study Mode	Full-time (mandatory attendance)
Place of Study	Faculty Classrooms, Laboratories, and Farm
System of study	Annual System (Two Semesters per Year)
Time Required for Graduation	Four years (139 credit hours)
Prerequisite Qualifications	High School Certificate (Scientific Section)
Required Average Grade for Admission	At Least 70%
Other Requirements	
Program Coordinator	
Date of Program Specification/ Latest Accreditation	The program is pursuing accreditation

Department Vision:

Providing education that adheres to high-quality standards and academic accreditation for its graduates and conducting scientific research and field studies, utilizing the outcomes to address and resolve agricultural economic problems within Yemen and the surrounding region.

Department Mission:

Developing scientific competencies in agricultural economics through outstanding programs that meet the requirements of the labor market, research dissemination, and solving agricultural economic problems.

Department Aims:

- 1) Meeting the needs of society by offering competitive and leading programs in economic and extension sciences.
- 2) Promoting education, learning, and the dissemination of agricultural research by creating a supportive academic environment.
- 3) Preparing locally and regionally pioneering cadres in the field of agricultural economics and extension.
- 4) Networking with the public and private sectors and providing necessary consultations to enhance agricultural economics.
- 5) Supporting and developing students' ideas for conducting research and encouraging them to pursue higher studies.
- 6) Conducting technical, financial, and economic feasibility studies for agricultural projects of various types.
- 7) Conducting economic, marketing, and financing studies according to the department's and other departments' needs.

Graduate Attributes

- In addition to the attributes featured in the graduates of the faculty in general, the graduates of this department will be able to:
 - Monitor and evaluate agricultural projects and feasibility studies.
 - Manage, plan, and evaluate agricultural projects and extension programs.
 - Contribute to the implementation of agricultural extension programs and campaigns and the development of women and rural communities.
 - Conduct statistical analysis of agricultural and economic data to develop and improve the agricultural sector.
 - Continue to learn and pursue studies and research in their field of specialization.

Program Aims:

- **Equipping graduates with the cognitive and practical skills to study society's economic needs and forecast their potential repercussions.**
- **Utilizing resources for managing agricultural facilities and projects, as well as preserving natural resources and biodiversity.**
- **Enhancing professional performance, adhering to work ethics, and raising awareness of legal and social issues related to agriculture.**

- Developing communication, self-learning, time management, and appropriate technology utilization skills to address technical and economic problems in agricultural fields and make informed decisions.
- Preparing academically qualified graduates equipped for continuous learning, research, and postgraduate pursuits.
- Developing applied scientific research skills aligned with the needs of stakeholders.

Undergraduate Program Courses for Departments of the Faculty of Agriculture, Foods, and Environment - First and Second Levels

First Level Courses					
First Semester			Second Semester		
Course code	Course Title	Credit Hours	Course code	Course Title	Credit Hours
UR001	Arabic Language (1)	2	FR001	Physics & Meteorology	3
UR006	Islamic Culture	3	FR006	Principles of Statistics	2
FR111	General Chemistry	3	FR111	Organic Chemistry	3
FR112	General Botany	3	FR112	Principles of Agricultural Economics	2
FR113	Mathematics	2	FR113	General Zoology	3
FR114	Agriculture in Yemeni Environment	1	FR114	Principles of Ecology	2
UR007	National culture	2	UR002	Arabic Language (2)	2
FR115	Geology	1	UR008	Conflict with the Israeli enemy	2
Total		17	Total		19

Undergraduate Program Courses for Departments of the Faculty of Agriculture, Foods, and Environment - First and Second Levels

Second Level Courses					
First Semester			Second Semester		
Course code	Course Title	Credit Hours	Course code	Course Title	Credit Hours
FR211	Soil Fundamentals	2	FR221	Principles of Food Science	2
FR112	General Microbiology	3	FR222	Principles of Crops Protection	2
FR113	Biochemistry	3	UR004	English Language (2)	2
FR114	Principles of Animal Production	2	FR127	Principles of Genetics	2
UR003	English Language (1)	2	FR223	Principles of Horticulture	2
FR114	Principles of Crops Production	2	FR224	Plant Physiology	2
FR215	Principles of Agricultural Engineering	2	FR225	Principles of Human Nutrition	2
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Total		16	Total		17

Undergraduate Courses for the Agricultural Extension and Rural Development Program (ERD) - Department of Agricultural Economic

Third Level Courses					
First Semester			Second Semester		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
FR315	Agricultural Extension and Rural Society	2	AEC313	Agricultural Accounting Principles	3
ERD311	Population and Rural Society	2	ERD321	Educational Psychology	2
ERD312	Management in Extension Work	2	AEC323	Farms Management	3
AEC314	Research Methodology	2	AEC421	Economic and Social Statistics	3
AEC311	Microeconomic Theory	3	AEC324	Agricultural Cooperation	2
HRT318	Production of Horticultural Crops	3	AEC325	Economics of Animal Production	3
AEC312	Agricultural Finance and Credits	3	ERD322	Summer Training	1
Total		17	Total		17

Fourth Level Courses					
First Semester			Second Semester		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
ERD411	Marketing Extension	2	ERD421	Rural Community Development	2
ERD412	Principles of Adult Education	2	ERD422	Resources Development in the Agricultural Sector	3
ERD413	Leadership and Rural Development	2	ERD423	Extension Programs Planning and Evaluation	3
ERD414	Communication and Agricultural Media	3	ERD424	Dissemination and Adoption of Agricultural Innovations	3
PLP313	Economic Insects	3	PLP424	Integrated Pest Management	3
CRP318	General Crops Production	3	ERD425	Contemporary Extension Issues	3
AEC411	Agricultural Policy and Planning	3	ERD426	Graduation Project	1
Total		18	Total		18