

# Jordan University of Science and Technology

## Diploma Supplement

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

<b><u>1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION</u></b>	
1.1 Family name(s) XXXXXXXXXX	
1.2 First name(s) XXXXXXXXXX	
1.3 Date of birth (dd/mm/yyyy) 12/34/5678	
1.4 Student identification number or code (if applicable) 123456	
<b><u>2. INFORMATION IDENTIFYING THE QUALIFICATION</u></b>	
2.1 Name of qualification and (if applicable) title conferred (in original language) Bachelor of Soil and Irrigation بكالوريوس في التربة والري	
2.2 Main field(s) of study for the qualification Soil and Irrigation	
2.3 Name and status of awarding institution (in original language) Jordan University of Science and Technology, Public University جامعة العلوم والتكنولوجيا الأردنية، جامعة حكومية	
2.4 Name and status of institution (if different from 2.3) administering studies (in original language)	
2.5 Language(s) of instruction/examination English	

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### **3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION**

#### **3.1 Level of the qualification**

Bachelor of Science

#### **3.2 Official duration of programme in credits and/or years**

Four academic years (8 regular semesters & optional summer semesters), (132 credit hours, 240 ECTS)

#### **3.3 Access requirement(s)**

High school Diploma

### **4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED**

#### **4.1 Mode of study**

Full-time

#### **4.2 Programme learning outcomes**

##### **Knowledge**

- A. Demonstrate both basic and advanced knowledge of core curriculum in soil and irrigation sciences.
- B. Demonstrate knowledge of contemporary issues in soil and irrigation.
- C. Demonstrate knowledge in the area of modern natural resources management practices.

##### **Skills**

- D. Apply scientific methods to design and conduct experiments, as well as to analyze and interpret data.
- E. Using the techniques, skills, and modern scientific and technical tools necessary for professional practice.
- F. Apply scientific knowledge for achieving sustainable management of natural resources.

##### **Competences**

- G. Employ the gained knowledge to evaluate soil properties and its suitability for various agricultural uses.
- H. Discuss and propose solutions to the fundamental problems of the sectors of soil and irrigation.
- I. Solve ecological and agricultural problems through adaptive management to achieve a sustainable environment.

### 4.3 Programme details, individual credits gained and grades/marks obtained

Course No.	Course Name	Credit Hours	ECTS	Grade
<b>University Compulsory</b>				
MS 100	Military Sciences	3	5	
ARB 102	Communication skills in Arabic	3	5	
HSS 110	Leader & Social Responsibility	3	5	
LG 101	Communication Skills in English	3	5	
HSS119	Entrepreneurship and Innovation	2	4	
LG 103	Life Skills	2	4	
<b>University Electives</b>				
	University Elective 1	3	5	
	University Elective 2	3	5	
	University Elective 3	3	5	
<b>Faculty of Agriculture Compulsory</b>				
HSS103BT	General Biology	3	5	
BT 107	General Biology Laboratory	1	3	
HSS103CHEM	General Chemistry	3	5	
CHEM 107	General Chemistry Laboratory	1	3	
HSS103PHY	General Physics	3	5	
HSS102MATH	Calculus 2 (for biological sciences)	3	5	
PP 204	Principles of Agricultural Economics	3	5	
PP 262	Extension and Transfer of Agricultural Technology	3	5	
<b>Soil and Irrigation Compulsory</b>				
BT 231	General Microbiology	3	5	

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BT 233	General Microbiology Lab	1	3	
HSS217CHEM	Organic Chemistry	3	5	
CHEM 233	Analytical Chemistry	3	5	
CHEM 234	Analytical Chemistry Lab	1	3	
PP 205	Principles of Plant Science	3	5	
PP 213	Introduction to Biostatistics	3	5	
NR 202	Principles of Soil Science	3	5	
NR 210	Introduction to Natural Resources Management	3	5	
NR 241	Principles of Irrigation and Drainage	3	6	
NR 299	Scientific Writing	1	2	
NR 301	Soil Physics	3	6	
NR 306	Soil-Water-Plant Relations	3	5	
NR 312	Environmental Soil Chemistry	3	5	
NR 333	Soil Conservation and Land Management	3	5	
NR 340	Principles of Hydraulics	3	5	
NR 342	Hydrology	3	5	
NR 361	Geographical Information Systems (GIS)	3	6	
NR 399	Summer Training-Practical	6	14	
NR 412	Soil Fertility and Fertilizers	3	5	
NR 413	Soil Chemistry and Fertility Analyses	2	4	
NR 414	Soil Reclamation	3	6	
NR 421	Environmental Microbiology	3	6	
NR 432	Soil Genesis and Classification	3	6	
NR 444	Agricultural Drainage	2	4	
NR 446	Water Resources	2	4	

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NR 447	Irrigation systems Design	3	6	
NR 493	Graduation Project	3	5	
<b>Soil and Irrigation Electives</b>				
PP 321	Vegetable Crop Production	3	6	
PP 322	Deciduous Fruit Trees	3	6	
PP 371	Agricultural Machinery	3	6	
PP 424	Landscape Design and Management	3	6	
PP 432	Soil Less Culture	3	6	
NR 220	Forest Science	3	5	
NR 331	Rangeland Management	3	5	
NR 363	Remote Sensing	3	6	
NR 411	Climate Change: impact, adaptation and mitigation	3	5	
NR 434	Soil Survey and Land Use	3	5	
NR 452	Environmental Agricultural Management	3	5	
NR 453	Irrigation Management	3	5	
NR 471	Rangeland Restoration and Development	3	5	
NR 492	Selected Topics (A) (B) (C)	3 2 1	5 3 2	
NR 494	Scientific Research Methods	3	5	

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#### **4.4 Grading system and, if available, grade distribution table**

Letter Grade	Grade Points	Score out of 100
A+	4.2	95-100
A	4	85-94
A-	3.75	80-84
B+	3.5	77-79
B	3.25	73-76
B-	3	70-72
C+	2.75	67-69
C	2.5	63-66
C-	2.25	60-62
D+	2	57-59
D	1.75	53-56
D-	1.5	50-52
F	0.5	00-49

#### **4.5 Overall classification of the qualification (in original language)**

GPA	Classification	التقدير
4.2 - 4.0	Distinguished	امتياز
3.99 - 3.5	Excellent	ممتاز
3.49 - 3.0	Very Good	جيد جدا
2.99 - 2.5	Good	جيد
2.49 - 2.0	Satisfactory	مقبول

## **5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

### **5.1 Access to further study**

Access to post-graduate studies

### **5.2 Access to a regulated profession (if applicable)**

Access to Agricultural Engineers Association

## **6. ADDITIONAL INFORMATION**

### **6.1 Additional information**

### **6.2 Further information sources**

[www.just.edu.jo](http://www.just.edu.jo)

## **7. CERTIFICATION**

This Diploma Supplement refers to the following original documents:

Document on the award of the academic degree (Urkunde über die Verleihung des Akademischen Grades) [date]

Certificate (Zeugnis) [date]

Transcript of Records [date]

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