



الجامعة الألمانية الأردنية
German Jordanian University

German Jordanian University

School of Business

Department of Management Sciences

Bachelor of Science in Management

Dual Study Track

Study Plan 2023

I. Program Objectives

The objectives of B.Sc. in Management Sciences -Dual Study program are established in line with the university's strategic goals since the program aims:

1. To provide students with a comprehensive understanding of the major elements of theory and application of business management.
2. To expose students to a wide spectrum of opportunities for future employment in a wide range of sectors and prepare them for the international job market.
3. To empower students and provide them with national and international in-hand practical knowledge in management practice.
4. To create a learning environment for students to develop their knowledge and understanding of business management practices.
5. To equip students with a broad perspective in managerial sciences and global business environment.
6. To allow students to develop a broad and detailed understanding of economics, professional, regulatory, and social requirements.
7. To develop the students' conceptual understanding and technical competence they need for decision making and professional judgment.
8. To develop and enhance the students' personal, intercultural, and intellectual abilities for a lifelong learning and contribution to society.
9. To prepare students for postgraduate degrees and professional certificates in specialized business management fields.

II. Learning Outcomes

A successful completion of the B.Sc. in Management Sciences-Dual Study' program enables students to:

1. Understand the major theories and concepts of business management sciences in small, medium, and large enterprises.
2. Relate to the relevance of basic theories of management, accounting, and logistic sciences in organizations.
3. Understand the impact of technology on knowledge management, business information systems, business analytics and decision support systems and applications.
4. Identify the ethical, cultural, legal and interdisciplinary implications in business.
5. Comprehend both macro and microeconomics topics within local and international contexts.
6. Recognize the different behavioral issues in human resources, leadership and organizations.
7. Diagnose operational inefficiencies and complex organizational problems and propose solutions.
8. Set plans and implement them using project management techniques.
9. Implement the techniques used in marketing, consumer behavior and trade in different cultural contexts.
10. Skitch strategic plans for different functional areas in line with the organizational development goals.
11. Apply quality management systems within defined organizational procedures and policies.
12. Use information technology appropriately in acquiring, analyzing and presenting information, knowledge, business intelligence and analytics.
13. Interpret qualitative and quantitative information by applying mathematical and statistical techniques.
14. Use Arabic, English, and German languages effectively to communicate ideas and arguments in business environments within intra-/intercultural contexts.
15. Solve problems and make decisions, sometimes in quite complicated situations employing decision support systems and soft skills.
16. Prepare for a successful job interview, work well within teams, demonstrate discipline and employ the appropriate workplace skills.
17. Apply theoretical knowledge in real business.

Course Delivery Methods

Courses are in one of the following three methods:

- **Face-to-Face (F2F) Method**

Courses that are taught through face-to-face learning are delivered at the university campus.

- **Blended (BLD) Method**

Courses in which teaching consists of face-to-face learning and asynchronous E-learning. The face-to-face learning takes place at the university campus. Asynchronous E-learning takes place through activities, tasks, educational duties, and assignments through the virtual E-learning platforms (Moodle and MyGJU) without direct meetings with course instructors.

- **Online (OL) Method**

Courses in which teaching consists of synchronous E-learning and asynchronous E-learning. Synchronous E-learning takes place through interactive virtual meetings between instructors and students directly through the virtual E-learning platform (e.g; MS Teams). The asynchronous E-learning takes place through activities, tasks, educational duties, and assignments through the virtual E-learning platforms (Moodle and MyGJU) without direct meetings with course instructors.

III. Admission Requirements

To apply for admission, the following minimum requirements must be met:

- A minimum of 75% in secondary school (Tawgihi) or equivalent.
- A high motivation is needed to fulfill the needs and demands at the university and the company as well.
- Only first year students can join the Dual Study track.
- Good English skills are highly recommended.
- Once students commit to Dual Studies, they must join the program until the end of their studies.
- Students must register for all pre-requisites named by the Academic Coordinator.

Placement Tests

Applicants must sit for placement tests in the Arabic Language, the English Language, and Mathematics to determine whether the applicant may be required to take remedial courses in the mentioned subjects. Depending on or the applicant scores in the placement tests, some of the following 3-credit-hour remedial courses are required:

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
ARB0099	Elementary Arabic	3	3	3	-	OL	Placement test
ENGL0098	Elementary English	3	3	3	-	F2F	Placement test
ENGL0099	Intermediate English	3	3	3	-	F2F	ENGL0098
MATH0099	Pre-Math	3	3	3	-	OL	Placement test
Total		12	12	12	0		

- Remedial courses are to be completed and passed within the first year of enrollment.
- Passing grade of remedial courses is 60%.
- ECTS (B.Sc.): is the European Credit Transfer System, and Accumulation System, One ECTS is equivalent to 30 actual workloads hours.

IV. Degree Requirements

The requirements to obtain a B.Sc. degree in Management Sciences – Dual Study Track are the following:

- Out of the Program requirement, 12 credit hours are to be taken at a partner university in Germany.
- Out of the Program requirement, 12 credit hours (20 weeks) of practical internship are to be taken at one of the German Companies.
- Students must complete 36 weeks (12 weeks per summer) of practical training in approved industries in Jordan.

V. Framework for B.Sc. Degree (145 Credit hours)

Classification		Credit Hours			ECTS		
		Compulsory	Elective	Total	Compulsory	Elective	Total
University Requirements	Compulsory	21	-	21	25	0	25
	Dual Study	6	-	6	12	0	12
School Requirements		24	00	24	40	0	40
Program Requirements		82	12	94	145	18	163
Total		133	12	145	222	18	240

Course Delivery Method	Credit Hours	Percentage
Online Courses	18	12%
Blended Courses	43	30%
Face-to-Face Courses	84	58%
Total	145	100%

1. University Requirements: (27 credit hours)

1.1. Compulsory: (21 credit hours)

Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
ARB100	Arabic		3	3	3	-	OL	ARB0099
ENGL1001	Upper-Intermediate English		3	3	3	-	F2F	ENGL0098
ENGL1002	Advanced English		3	3	3	-	F2F	ENGL1001
GERL101B1	German I B1-Track		3	6	9	-	F2F	-
GERL102B1	German II	B1-Track	3	6	9	-	F2F	GERL101B1
GERL102B2		B2-Track						
MILS100	Military Science		3	2	3	-	OL	-
NE101	National Education		3	2	3	-	OL	-
NEE101	National Education in English							
Total			21	25	33	-		

1.2. Dual Study: Compulsory courses (6 Credit hours)

Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
DS101	Dual Study Practical I		3	3	-	480 Hrs	F2F	Dept. Approval
DS201	Dual Study Practical II		3	3	-	480 Hrs	F2F	DS101 ENGL0098 ARB0099
DS301	Dual Study Practical III		0	6	-	480 Hrs	F2F	DS201
Total			6	12				

2. School Requirements: (24 credit hours)

Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL201B1	German III	B1-Track	3	4	6	-	F2F	GERL102B1 or GERL102B2
GERL201B2		B2-Track						GERL102B2
GERL202B1	German IV	B1-Track	3	6	9	-	F2F	GERL201B1 or GERL201B2
GERL202B2		B2-Track						GERL201B2
ACC1001	Principles of Accounting I		3	4.5	3	-	F2F	-
ACC2501	Fundamentals of Finance		3	5	3	-	BLD	ACC1001 ENGL0099 ARB0099
LOGS1001	Introduction to Logistics		3	4.5	3	-	F2F	-
MGT1001	Principles of Management		3	5	3	-	BLD	-
MGT1202	Business Statistics		3	4.5	3	-	F2F	-
MGT2103	Research Methods for Business		3	6.5	2	1	BLD	MGT1202 ENGL0099 ARB0099
Total			24	40	32	1		

3.1 Program Requirements (94 credit hours)

3.2 Program Requirements (Compulsory): (82 credit hours)

Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL301B1	German V	B1-Track	3	6	9	-	F2F	GERL202B1 or GERL202B2
GERL301B2		B2-Track						GERL202B2
GERL302B1	German VI	B1-Track	3	6	6	-	F2F	GERL301B1 or GERL301B2
GERL302B2		B2-Track						GERL301B2
CS115	Computing Fundamentals for Business and Logistics		3	3	3	-	BLD	CS1150
CS1150	Computing Fundamentals for Business and Logistics (Lab)		1	3	0	-	BLD	CS115 ^{Co}
MGT1201	Mathematics for Business		3	4.5	3	-	F2F	
MGT1204-DS	Fundamentals of Marketing		3	4.5	3	-	F2F	MGT1001
MGT1206	Fundamentals of Microeconomics		3	4.5	3	-	F2F	-
MGT2101-DS	Organizational Behavior		3	5	3	-	BLD	MGT1001 ENGL0099 ARB0099
MGT2306	Management Information Systems		3	5	3	-	BLD	MGT1001 CS115 ENGL0099 ARB0099
MGT2204	Quantitative Analysis for Business		3	4.5	3	-	F2F	MGT1202 ENGL0099 ARB0099
MGT2206	Fundamentals of Macroeconomics		3	5	3	-	BLD	MGT1206 ENGL0099 ARB0099
MGT3209	E-Business and E-Commerce Management		3	4.5	3	-	F2F	MGT2306
MGT3103	Knowledge Management		3	5	3	-	BLD	MGT2306
MGT3104	Human Resources Management		3	4.5	3	-	F2F	MGT2101-DS
MGT3105	Business Law		3	4.5	3	-	OL	MGT1001
ACC3302	Management Accounting		3	4.5	3	-	F2F	ACC1001
MGT3202	Consumer Behavior		3	4.5	3	-	F2F	MGT1204-DS MGT1206
MGT3208-DS	Project Management and Planning		3	4.5	3	-	F2F	MGT2204
MGT3303	Decision Support System		3	5	3	-	BLD	MGT2306
MGT4102	Corporate Strategies and Policies		3	4.5	3	-	F2F	MGT3104
MGT4104	International Business and Globalization		3	4.5	3	-	F2F	MGT2206 MGT3104
MGT4106	Organizational Development & Change		3	4.5	3	-	F2F	MGT3104
MGT4108	Quality Management		3	5	3	-	BLD	MGT2204

MGT4999	International Internship	12	30	0	800 Hrs	BLD	DS301 BSC001
MGT4900	Bachelor's Thesis	3	8.5	3	-	BLD	MGT2103 DS201, 80 CHs
Total		82	145	78			

3.3 Program Requirements (Electives^b): (12 credit hours)

A minimum of 12 credit hours of coursework are required. This list is open for modifications based on school council decisions.

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
MGT4901	Business Elective I	1	1.5	3	-	F2F	BSC001
MGT4902	Business Elective II	2	3.0	3	-	F2F	BSC001
MGT4903	Business Elective III	3	4.5	3	-	F2F	BSC001
MGT4904	Business Elective IV	3	4.5	3	-	F2F	BSC001
MGT4905	Business Elective V	3	4.5	3	-	F2F	BSC001
MGT4906	Business Elective VI	3	4.5	3	-	F2F	BSC001
MGT4907	Special Topics in Management I	1	1.5	3	-	F2F	BSC001
MGT4908	Special Topics in Management II	2	3.0	3	-	F2F	BSC001
MGT4909	Special Topics in Management III	3	4.5	3	-	F2F	BSC001
BIDA4100	Artificial Intelligence and Machine Learning for Business	3	4.5	3	-	F2F	BSC001
BIDA4200	Business Data and Analytics Management	3	4.5	3	-	F2F	BSC001
BIDA4500	Business strategies and ERP	3	4.5	3	-	F2F	BSC001
MGT4005	Marketing and Project Management	3	4.5	3	-	F2F	BSC001
MGT4006	Business startup	3	4.5	3	-	F2F	BSC001
MGT4007	Economics, Politics and Market Regulations	3	4.5	3	-	F2F	BSC001
MGT4008	Entrepreneurship	3	3	3	-	F2F	BSC001
LOGS4303	Logistics Enterprise Resource Planning Modules	3	4.5	3	-	F2F	BSC001
LOGS4406	Humanitarian Logistics	3	4.5	3	-	F2F	BSC001
ACC4305	Accounting Ethics and Corporate Governance	3	4.5	3	-	F2F	BSC001
ACC4505	Islamic Finance and Accounting	3	4.5	3	-	F2F	BSC001
Total		12	18	12	-		

b: All elective courses are taken at a partner university in Germany.

Study Plan^c Guide for a B.Sc. Degree in (Management Sciences – Dual Study)

First Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
ARB100	Arabic	3	3	3	-	OL	ARB0099
GERL101B1	German I (B1 track)	3	6	9	-	F2F	-
MGT1001	Principles of Management	3	5	2	-	BLD	-
ACC1001	Principles of Accounting I	3	4.5	3	-	BLD	-
MGT1202	Business Statistics	3	4.5	3	-	F2F	-
Total		15	23	20			

First Year								
Second Semester								
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites	
				Lect.	Prac.			
GERL102B1	German II	B1-Track	3	6	9	-	F2F	GERL101B1
GERL102B2		B2-Track						
MGT2103	Research Methods for Business	3	6.5	2	1	BLD	MGT1202 ENGL0099 ARB0099	
ACC3302	Management Accounting	3	4.5	3	-	F2F	MGT1001	
MGT1206	Fundamentals of Microeconomics	3	4.5	3	-	F2F	-	
MGT1201	Mathematics for Business	3	4.5	3	-	F2F	-	
ENGL1001	Upper-Intermediate English	3	3	3	-	F2F	ENGL0099	
Total		18	29	23	1			

First Year							
Summer Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
DS101	Dual Study Practical I	3	3	-	480 Hrs	F2F	Department Approval
MGT1204-DS	Fundamentals of Marketing	3	4.5	3		F2F	MGT1001
Total		6	7.5				

^cThe study plan guide does not take into account possible remedial courses.

Second Year								
First Semester								
Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL201B1	German III	B1-Track	3	4	6	-	F2F	GERL102B1 or GERL102B2
GERL201B2		B2-Track						GERL102B2
ACC2501	Fundamentals of Finance		3	5	3	-	F2F	ACC1001 ENGL0099 ARB0099
CS115	Computing Fundamentals for Business and Logistics		3	3	3	-	F2F	-
CS1150	Computing Fundamentals for Business and Logistics (Lab)		1	3	3	-	BLD	CS115 ^{co}
LOGS1001	Introduction to Logistics		3	4.5	3	-	F2F	-
MILS100	Military Sciences		3	2	3	-	OL	-
Total			16	21.5	21			

Second Year								
Second Semester								
Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL202B1	German IV	B1-Track	3	6	9	-	F2F	GERL201B1 or GERL201B2
GERL202B2		B2-Track						GERL201B2
MGT3103	Knowledge Management		3	5	3	-	BLD	MGT2306
MGT2204	Quantitative Analysis for Business		3	4.5	3	-	F2F	MGT1202 ENGL0099 ARB0099
MGT2206	Fundamentals of Macroeconomics		3	5	3	-	BLD	MGT1206 ENGL0099 ARB0099
MGT2306	Management Information Systems		3	5	3	-	F2F	MGT1001 ENGL0099 ARB0099 CS115
NE101	National Education		3	2	3	-	OL	-
Total			18	27.5	24			

Second Year								
Summer Semester								

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
DS201	Dual Study Practical II	3	3	-	480 Hrs	F2F	DS101 ENGL0099 ARB0099
MGT2101-DS	Organizational Behavior	3	5	-	3	BLD	MGT1001
Total		6	8				

Third Year								
First Semester								
Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL301B1	German V	B1-Track	3	6	9	-	F2F	GERL202B1 or GERL202B2
GERL301B2		B2-Track						GERL202B2
MGT3209	E-Business and E-Commerce Management		3	4.5	3	-	F2F	MGT2306
MGT3104	Human Resources Management		3	4.5	3	-	F2F	MGT2101-DS
MGT3202	Consumer Behavior		3	4.5	3	-	F2F	MGT1204-DS MGT1206
MGT3900	Bachelor's Thesis		3	8.5	3	-	BLD	MGT2103 80 CHs
ENGL1002	Advanced English		3	3	3	-	F2F	ENGL1001
Total			18	31	24			

Third Year								
Second Semester								
Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
GERL302B1	German VI	B1-Track	3	6	6	-	F2F	GERL301B1 or GERL301B2
GERL302B2		B2-Track						GERL301B2
MGT4102	Corporate Strategies and Policies		3	4.5	3	-	F2F	MGT3104
MGT4104	International Business and Globalization		3	4.5	3	-	F2F	MGT2206, MGT3104
MGT4108	Quality Management		3	5	3	-	F2F	MGT2204
MGT3105	Business Law		3	4.5	3	-	OL	MGT1001
MGT3303	Decision Support System		3	5	3	-	BLD	MGT2306
MGT4106	Organizational Development & Change		3	4.5	3	-	F2F	MGT3104
Total			21	34	24			

Third Year								
Summer Semester								
Course ID	Course Name		Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
					Lect.	Prac.		
DS301	Dual Study Practical III		0	6	0	480 Hrs	F2F	DS201
MGT3208-DS	Project Management and Planning		3	4.5	2	1	F2F	MGT2204
Total			3	10.5				

Fourth Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
MGT4903	Business Elective III	3	4.5	3	-	F2F	BSC001
MGT4904	Business Elective IV	3	4.5	3	-	F2F	BSC001
MGT4905	Business Elective V	3	4.5	3	-	F2F	BSC001
MGT4906	Business Elective VI	3	4.5	3	-	F2F	BSC001
Total		12	18	12			

Fourth Year							
Second Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
MGT4999	International Internship ^d	12	30	-	800 Hrs	F2F	DS301 BSC001
Total		12	30				

German year Prerequisite (Passing five out of the following courses)

- **MGT1204-DS** Fundamentals of marketing
- **MGT2206** Fundamentals of Macroeconomics
- **MGT3104** Human resources management
- **MGT3202** Consumer behavior
- **MGT3208-DS** Project management
- **MGT4102** Corporate strategies and policies
- **MGT4104** International business and globalization
- **MGT4108** Quality Management

^d Courses attended and/or passed during International Internship are not transferable

VI. Compulsory Courses Offered by Management Sciences Department

MGT1001: Principles of Management	3 Cr Hr (3,0)	ECTS (5)
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This course is envisioned to give students a general overview of the subject of management/business administration and provide them with the knowledge that will help them to understand the basic concepts and theories of Management. This course provides students with an introduction to the various philosophies, roles, and functions of management. In addition, it will cover on going changes in business that have a direct effect on the role of management. Ultimately, this course is intended to expose students to the theories, approaches and principles that are important for successfully managing organizations and people, along with the basic functions of management, namely, Planning, Organizing, Leading, and controlling. Practical examples, field trips and case studies are among the techniques used in delivering this course

Prerequisites: N/A

MGT1201: Mathematics for Business	3 Cr Hr (3,0)	ECTS (4.5)
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The aim of this course is to provide students with fundamentals of mathematics as a tool necessary for analyzing business situations. This course covers basic algebra and arithmetic (algebraic expressions and their simplification, linear, quadratic, irrational equations, inequalities, simultaneous equations). In addition, this course enables students to move to a variety of other subjects as Statistics, Micro and Macro Economics, Financial Accounting courses smoothly.

Prerequisites: N/A

MGT1202: Business Statistics	3 Cr Hr (3,0)	ECTS (4.5)
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This is a course in the basic statistical concepts and methods common in business and economics applications. The course introduces the students to statistical methods of collection, analysis, and presentation of quantitative data. Emphasis will be on the use of both descriptive and inferential statistical techniques within the workplace. Topics covered include descriptive statistics, probability, discrete and continuous distributions, confidence intervals, hypothesis testing, regressions, and sampling. Acquired knowledge should help students to deal with applications from all functional areas of business.

Prerequisites: N/A

MGT1204-DS: Fundamentals of marketing	3 Cr Hr (3,0)	ECTS (4.5)
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This module aims to equip students with an understanding of the role of marketing and the value of marketing management in achieving corporate success within an increasingly competitive, dynamic and turbulent environment. Focusing on the strategic importance of marketing, and its important role in the overall strategy, evaluating the different tools of marketing and the decisions a marketing manager is responsible for, and also investigating the role of the internet and electronic media in enhancing and expanding the efforts of marketing, never underestimating the role of social marketing and social responsibility as a frame for studying marketing.

*Prerequisites: MGT100
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MGT1206: Fundamentals of Microeconomics	3 Cr Hr (3,0)	ECTS (4.5)
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The module deals with basic microeconomic concepts, theories, and methods. The module introduces the students to the field of microeconomics and to important issues such as the economic problem of scarcity & choice; consumers' and producers' behavior in input and output markets; It also addresses supply and demand elasticity; utility; production and costs as well as input and output markets. It then addresses the characteristics of different market structures such as perfect competition and monopoly.

Prerequisite: N/A

MGT2101-DS: Organizational Behavior**3 Cr Hr****ECTS (4.5)****(3,0)**

This is a compulsory module for both logistic sciences and management sciences programs. This is intended to equip students with the basics and theories of organizational behaviour. The course includes: What is organizational behavior? , Diversity in Organization, Attitudes and job satisfaction, Emotions and moods, Personality and values, Perception and individual decision making, Motivation concepts, Motivation: from concepts to application, Understanding work teams, and Leadership.

Prerequisite: MGT1001, ENGL0099

MGT2306: Management Information Systems**3 Cr Hr (2,2)****ECTS (4.5)**

This module introduces the principles of management information systems. It provides students with the educational background to the technologies of information systems and to then development of large-scale information systems, E-business; how businesses use information systems, achieving competitive advantage with information system, ethical and social issues in information system, securing information system, enterprise application, improving decision making and managing knowledge. The material presented in this module takes a management approach rather than a technical approach.

prerequisite: MGT1001, CS115, ENGL0099

MGT2103: Research Methods for Business**3 Cr Hr (2,2)****ECTS (4.5)**

The primary purpose of this course is to provide a comprehensive introduction of research and to prepare students to critically read research. The course is introductory in the sense that the emphasis is on exposure to a variety of research methods and methodologies, rather than developing expertise in any one particular method. Besides, it is designed to acquaint students with a range of research methods available and the criteria for choosing among them. More specifically, Research Methodology educates students about types of scientific quantitative and qualitative methods and its applications to research process in business.

prerequisite: MGT1202, ARB0099, ENGL0099

MGT2204: Quantitative Analysis for Business**3 Cr Hr (2,2)****ECTS (4.5)**

The module aims to provide the students with some basic concepts of quantitative methods for supporting decision making for managerial situation and practice. The module covers decision analysis, regression models, forecasting models, and the graphical and computer methods of linear programming models.

prerequisite: MGT1202, ENGL0099

MGT2206: Fundamentals of Macroeconomics**3 Cr Hr (2,2)****ECTS (4.5)**

The module aims to provide the students with some basic concepts of quantitative methods for supporting decision making for managerial situation and practice. The module covers decision analysis, regression models, forecasting models, and the graphical and computer methods of linear programming models.

prerequisite: MGT1206, ENGL0099

MGT3103: Knowledge Management**3 Cr Hr (3,0)****ECTS (4.5)**

The Knowledge Management (KM) course introduces basic perspectives, concepts and frameworks on knowledge creation, capture, store, sharing, transfer and internalization in modern organization. The main aim of the course is to enable students to acquire a critical understanding of knowledge as a resource and driver of organization inimitable strategic capabilities leading to competitive advantage and economic growth. This course addresses different aspect of KM: knowledge taxonomies, intellectual capital & assets evaluation, knowledge economy, KM Tools, KM Systems, knowledge driven value creation, cross-cultural issues in KM, organizational learning and learning organization. In discussing these issues, the students acquire deeper understanding of KM; develop their analytical skills for diagnostic of organization intellectual ability as well as managerial skills for knowledge-based strategy implementation

prerequisite: **MGT2306**

MGT3303: Decision Support Systems**3 Cr Hr (3.0)****ECTS (4.5)**

This course provides an overview of current trends in DSS. Understand the need for computerized support of managerial decision making, its frameworks, conceptual foundations and methodologies. Understand how management uses advanced computer technologies in DSS. Recognize different types of DSS related methodologies and concepts used in the workplace such as Automated Decision Systems, Expert Systems, Simulation, Business Intelligence (BI), Data Mining, Big Data Analytics, Data Visualization, Visual Analytics, etc. Learn Management support systems and other techniques such as Problem-solving Search Methods, modelling, Business Performance Management (BPM), Performance Measurement System, etc. This course includes a substantial practical component where students are trained to gain skills using a suitable application software, such as MS Excel, as DSS tool.

prerequisite: **MGT2306****MGT3209: E-Business and E-Commerce Management****3 Cr Hr (3,0)****ECTS (4.5)**

This is an optional module for both international accounting and logistic sciences programs which intended to equip students with the skills and knowledge in the field e-business and e-commerce. Student will learn the followings; Define the main concepts of E-business and e-commerce, differentiate between the E-business and e-commerce, Explain how can an organization benefit from E-business and e-commerce, Discuss the different strategic approaches to implement E-business and e-commerce and Apply the concepts to develop a digital business plan

prerequisite: **MGT2306****MGT3104: Human Resources Management****3 Cr Hr (3,0)****ECTS (4.5)**

This is a compulsory module for B.Sc. in Management Sciences and optional module for both International Accounting & Logistic Sciences programs. This module is also serve in the German and English for Business and Communications (GEPC) program. This course includes: HRM in a changing environment, Introduction to HR functions, Effective job analysis, Employee Recruitment, Selecting employees, Training and Developing employees, Career Development, Performance Management, Compensation, and Employee Benefits.

prerequisite: **MGT2101-DS****MGT3105: Business Law****3 Cr Hr (3,0)****ECTS (4.5)**

A study of the fundamental principles of law applied in the business world. Focusing on the legal environments that affect individuals', businesses, and business transaction. It covers laws governing international business transactions and a brief description of corporations, general partnerships, and limited liability companies. The Module also deals with the techniques of moral reasoning that are needed to analyze moral issues in business, current moral issues in business, covers Legal Rules for Corporate Codes of Legal and Ethical Conduct, gives illustrative content mandated or impliedly required for codes of legal and ethical conduct and analyzes the impact of Corporate Codes of Conduct and other Corporate Policy Statements on Criminal and Civil Liability

prerequisite: **MGT1001**

MGT3208-DS: Project Management & Planning**3 Cr Hr (3,0)****ECTS (4.5)**

This module is designed for business students. We will start with defining the project and the project management processes. Then we will move on to the project management knowledge areas: Scope Management, project Scheduling Management (networks, duration estimation and critical path), Project Risk Management, project Leadership, project selection and portfolio management, project organizational context, and Cost Management.

prerequisite: MGT2204,

MGT4102: Corporate Strategies & Policies**Cr Hr (3.0)****ECTS (4.5)**

Why are some firms more successful than others? This is the fundamental question of strategy. This module analyzes the sources of competitive success among firms and develops knowledge and skills necessary to effectively analyze and formulate strategy, be it as a manager, a management consultant, or an investment banker. We will tackle the complexity of analyzing the business enterprise in this era of globalization and changing firm boundaries and of assessing strategy under increasing uncertainty.

prerequisite: MGT3104,

MGT4104: International Business and Globalization**Cr Hr (3.0)****ECTS (4.5)**

This module will introduce students to the International Business Environments: political, legal, economic, institutional, and socio-cultural. As the global economy becomes closely integrated, the need for understanding its driving forces as well as its impacts on the domestic economy becomes critical. To help students prepare for this challenge, areas such as global manufacturing and managing value-adding chains, export and import strategies, international delivery modes, export financing issues, foreign direct investments and strategic alliances will be examined.

prerequisite: MGT2206, MGT3104,

MGT4106: Organizational Development and Change**Cr Hr (3.0)****ECTS (4.5)**

Organization Development (OD) is the process of planning and implementing interventions to create interpersonal, group, intergroup, or organization-wide change. This module presents the theoretical foundations of organization development as an applied behavioral science. Students will also be introduced to many types of interpersonal, intra-group, intergroup, and organizational interventions that are used to effect comprehensive and lasting changes.

prerequisite: MGT3104,

MGT4108: Quality Management**Cr Hr (3.0)****ECTS (4.5)**

Total Quality Management (TQM) help the students to learn to view quality from a variety of functional perspectives, gain a better understanding of the problems associated with improving quality, also quality tools utilized in service and international/environments. This module focuses on the essence, principles, and practices of total quality management (TQM). Some of the ideas and topics that are covered are: process improvement; process orientation; service quality; human resources; customer satisfaction programs; quality function deployment; process control and capability; role of inspection; economics of quality; productivity measurement; learning and organizational performance measures; and teachings of Deming, Juran, and Crosby.

prerequisite: MGT2204,

MGT4902: International Internship**Cr Hr (12.0)****ECTS (4.5)**

Total Quality Management (TQM) help the students to learn to view quality from a variety of functional perspectives, gain a better understanding of the problems associated with improving quality, also quality tools utilized in service and international/environments. This module focuses on the essence, principles, and practices of total quality management (TQM). Some of the ideas and topics that are covered are: process improvement; process orientation; service quality; human resources; customer satisfaction programs; quality function deployment; process control and capability; role of inspection; economics of quality; productivity measurement; learning and organizational performance measures; and teachings of Deming, Juran, and Crosby.

Prerequisite: Department Approval,

MGT4900: Bachelor's Thesis**Cr Hr (3,0)****ECTS (8.5)**

Total Quality Management (TQM) help the students to learn to view quality from a variety of functional perspectives, gain a better understanding of the problems associated with improving quality, also quality tools utilized in service and international/environments. This module focuses on the essence, principles, and practices of total quality management (TQM). Some of the ideas and topics that are covered are: process improvement; process orientation; service quality; human resources; customer satisfaction programs; quality function deployment; process control and capability; role of inspection; economics of quality; productivity measurement; learning and organizational performance measures; and teachings of Deming, Juran, and Crosby.

Prerequisite: MGT2103, DS201,

VII. Elective Course Offered by Management sciences Dep.

MGT4901: Business Elective I**1 Cr Hr (1,0)****2 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

Prerequisite: BSC001

MGT4902: Business Elective II**2 Cr Hr (2,0)****3 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

Prerequisite: BSC001

MGT4903: Business Elective III**3 Cr Hr (3,0)****4.5 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

Prerequisite: BSC001

MGT4904: Business Elective IV**3 Cr Hr (3,0)****4.5 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

Prerequisite: BSC001

MGT4905: Business Elective V**3 Cr Hr (3,0)****4.5 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

*Prerequisite: BSC001***MGT4906: Business Elective VI****3 Cr Hr (3,0)****4.5 ECTS**

The module is part of the international experience of the students in Germany and reflects the German dimension of the German Jordanian Universities. Specific contents vary upon the specific module selected and upon the host university's module handbook and academic policies. The module aims at equipping the students with intercultural, linguistic, and academic competencies in management and related fields. It further prepares the students to understand and interact in the academic and professional environment in Germany.

*Prerequisite: BSC001***MGT4907: Special Topics in Management I****1 Cr Hr (1,0)****1.5 ECTS**

This module is a dynamic module tailored to special and hot issues in management that are of interest to students and academics. It may be offered when demand warrants for students who completed their German Year (GY). After an insight in management issues, specific aspects of contemporary management will be treated in depth. This module discusses important issues and roles of management in the current and future business and economy. The topics covered may include: management, corporate governance, marketing in an actual environment (environment, digitalization, innovative methods). After completing the module, the students are expected to understand the topics, analyze the implications of business and economic changes to accounting and vice versa; and give opinion and make decisions related to the issues.

*Prerequisite: BSC001***MGT4908: Special Topics in Management II****2 Cr Hr (2,0)****3 ECTS**

This is a dynamic course tailored to special and hot issues in management that are of interest to students and academics. It may be offered when demand warrants for students who completed their GY. After an insight in management issues, specific aspects of contemporary management will be treated in depth. This module discusses important issues and roles of management in the current and future business and economy. The topics covered may include: management, corporate governance, marketing in an actual environment (environment, digitalization, innovative methods). After completing the module, the students are expected to understand the topics, analyze the implications of business and economic changes to accounting and vice versa; and give opinion and make decisions related to the issues.

*Prerequisite: BSC001***MGT4909: Special Topics in Management III****3 Cr Hr (3,0)****4.5 ECTS**

This is a dynamic course tailored to special and hot issues in management that are of interest to students and academics. It may be offered when demand warrants for students who completed their GY. After an insight in management issues, specific aspects of contemporary management will be treated in depth. This module discusses important issues and roles of management in the current and future business and economy. The topics covered may include: management, corporate governance, marketing in an actual environment (environment, digitalization, innovative methods). After completing the module, the students are expected to understand the topics, analyze the implications of business and economic changes to accounting and vice versa; and give opinion and make decisions related to the issues.

Prerequisite: BSC001

Prerequisite: MGT4902

BIDA4100: AI and Machine Learning for Business **3 Cr Hr (3,0)** **1.5 ECTS**

This course is designed to help business students to explore Machine Learning (ML) and Artificial Intelligence (AI). Through an algorithmic approach, the students are given a practical understanding of the methods being taught, through making their own implementations of some of the methods. The course covers supervised classification based on e.g., artificial neural networks (deep learning), as well as unsupervised learning (clustering), optimization (evolutionary algorithms and other search methods) and reinforcement learning, in addition to design of experiments and evaluation

Prerequisite: BSC001

BIDA4200: Business Data and Analytics Management **3 Cr Hr (3,0)** **3 ECTS**

The purpose of this course is to improve business students' analytical skills by covering the techniques and applications of data-driven decision making. Students will be equipped with the basic computing and programming skills necessary to solve business analytic problems. Students will have the ability to apply these skills to real-world business issues

Prerequisite: BSC001

BIDA4500: Business strategies and ERP **3 Cr Hr (3,0)** **4.5 ECTS**

In this course, students will learn to strategically think about Enterprise Resource Planning (ERP) software systems and their role within an organization. It introduces key concepts of integrated information systems and explains why such systems are valuable to businesses. It also shows how organizations use these systems to run their operations more efficiently and effectively. The course will examine typical ERP modules, such as materials management (MM), financials, projects, and human resource management (HRM). In addition to the lecture, students will be guided through several hands-on activities of various business processes in selected software products. The course will also provide a discussion on various business cases in which ERP concepts can be applied. An overview of Business Intelligence (BI) and analytics in the ERP context will also be addressed

Prerequisite: BSC001

MGT4005: Marketing and Project Management **Cr Hr (3.0)** **ECTS (4.5)**

This advanced course bridges the critical disciplines of marketing and project management, designed for business students who seek to integrate strategic marketing concepts with effective project management techniques. Students will explore the dynamics of planning, executing, and managing projects within the marketing sector, emphasizing the alignment of marketing strategies with broader business objectives. The course will cover key topics such as market research, consumer behavior, digital marketing trends, and the application of project management tools like Gantt charts, risk management, and Agile methodologies specifically in marketing projects. Through a combination of lectures, case studies, and hands-on projects, students will gain practical experience in managing real-world marketing projects from conception to completion.

prerequisite: BSC001

MGT4006: Business startup **Cr Hr (3.0)** **ECTS (4.5)**

Business Startup is a capstone course designed for business students poised to transform innovative ideas into viable businesses. This course provides an immersive experience into the startup lifecycle, from ideation and validation to launching and scaling a business. Students will engage with foundational and advanced entrepreneurial concepts, including market analysis, business modeling, funding strategies, and operational management. The curriculum emphasizes real-world application through the development of a comprehensive business plan, engagement with entrepreneurs, and participation in a startup pitch competition. Topics such as

lean startup methodology, customer discovery, regulatory landscapes, and digital marketing strategies will be explored to provide students with a toolkit essential for today's dynamic business environment.

prerequisite: BSC001

MGT4006: Economics, Politics and Market Regulations **Cr Hr (3.0)** **ECTS (4.5)**

This interdisciplinary course examines the intricate interplay between economics, politics, and market regulations, tailored for business students aiming to understand the complexities of policymaking and its impact on economic environments. The course explores how political ideologies, government policies, and regulatory frameworks shape markets and influence economic outcomes globally. Students will study key topics such as antitrust laws, trade regulations, fiscal and monetary policies, and the role of international organizations in market regulation. Through case studies, policy analysis, and engagement with current events, students will gain insights into how economic theories are applied and how they interact with political forces in real-world scenarios.

prerequisite: BSC001

MGT4007: Entrepreneurship **Cr Hr (3.0)** **ECTS (4.5)**

Entrepreneurship is a dynamic course designed to equip business students with the skills and knowledge necessary to launch and manage successful business ventures. The course emphasizes both the theoretical and practical aspects of starting and growing a business, focusing on innovation, risk-taking, and strategic decision-making. Throughout the course, students will explore various facets of entrepreneurship including opportunity recognition, business model development, market entry strategies, financing, and scaling businesses. Special attention will be given to the challenges of entrepreneurship in different industries and the importance of resilience and adaptability in the face of obstacles.

prerequisite: BSC001

VIII. Courses Offered by Other Departments

ACC1001: Principles of Accounting I **3 Cr Hr (3,0)** **4.5 ECTS**

This course covers the conceptual foundation of accounting, the accounting cycle for service and merchandising enterprises, the preparation of income statement and related information, the balance sheet of proprietorships and partnerships, basics of accounting information systems, introduction to the conceptual framework for the preparation and presentation of financial statements as well as the valuation and reporting of selected items reported in the balance sheet; such as cash and inventories

Prerequisites: N/A

ACC3302: Management Accounting **3 Cr Hr (3,0)** **ECTS (4.5)**

module covers the fundamentals of managerial accounting, covering practices and methods in support of planning, decision-making and control. The module introduces cost terms and the use of accounting information in planning and control decisions. The module presents managerial accounting tools such as cost-volume-profit analysis, comprehensive budgeting, relevant costs related to nonrecurring decisions, responsibility accounting, and performance evaluation. The module covers capital budgeting, and concludes with a discussion of strategic management accounting techniques.

prerequisite: ACC1001

ACC2501: Fundamentals of Finance	3 Cr Hr (3,0)	4.5 ECTS
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This course covers the conceptual foundation of finance; Revenue & Gross Margin, Operating Expense & Net Income, Gross & Net Margin, Advanced Income Statement, Revenue Recognition, Expense Recognition, Balance Sheet Basics - Liabilities & Net Worth, Double Entry Book-keeping, Working Capital and Debt / Equity Ratio and Return on Net Worth, Cash Flow Statement Basics, building a Cash Flow Statement Analyzing a Cash Flow Statement, Depreciation & Amortization and Taxes.

Prerequisites: ACC1001, ENGL0099, ARB0099

LOGS1001: Introduction to Logistics	3 Cr Hr (3,0)	4.5 ECTS
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Business logistics considers the two-directional flow and storage of products and information; into, within, and out of the organization. The logistics system consists of three sub-systems: inbound, internal, and outbound logistics. As the first module in logistics, LOGS10001 starts with defining logistics and determining the scope of logistics management as a part of supply chain management. The importance of logistics in the micro- and macro-economic levels, the systems and total cost approaches to logistics, logistical relationships within the firm, and the main logistics activities are also covered in the first part of this module. Thereafter, more detailed examination of logistics activities is considered including procurement; demand management, order management, and customer service; inventory management; warehousing management; packaging and material handling; and transportation management.

Afterwards, the organizational and managerial issues related to logistics are considered including organizational structure and design, productivity, quality, risk, sustainability, and complexity.

Prerequisites: N/A

LOGS4303 Logistics Enterprise Resource Planning Modules	3 Cr Hr	4.5 ECTS
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Enterprise Resource Planning (ERP) systems use a centralized database to integrate business transactions along and between processes, leading to benefits such as efficient and error-free workflows plus accounting, management reporting and improved decision-making. This module will introduce the student to ERP systems and show how organizations use these systems to run their operations more efficiently and effectively. The module will examine typical ERP modules, such as: materials management (MM), supply chain management (SCM), customer relationship management (CRM), financials, projects, and human resource management (HRM).

prerequisite: BSC001

LOGS4406 Humanitarian Logistics	3 Cr Hr	4.5 ECTS
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Students get acquainted with the fundamental concepts of disaster management and humanitarian logistics. Logistics is one of the most critical components to successful humanitarian assistance, characterized by the efficient and effective delivery of the right assistance to the right beneficiaries at the right time. This module will prepare students for roles ranging from planning, managing, implementing, and controlling the flow and storage of goods, material, cost and information along the entire emergency supply chain for the purpose of relief and alleviating the suffering of people in places with disasters.

Prerequisites: BSC001

ACC4305 Accounting Ethics and Corporate Governance	4.5 ECTS	3 Cr Hr (3,0)
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The module starts with introducing and defining corporate governance, key theoretical models, and how the definition of corporate governance can be varied according to its objectives to the stakeholders that are intended to be served by corporate governance mechanisms and to the ownership structure prevails in different environments. Control vs. ownership is shown, how the separation between the control and ownership might impact different corporate governance mechanisms and how it might play a crucial role in addressing agency conflict from the classical agency theory point of view. Different ownership structures (concentrated, dispersed) and control mechanisms (weak, strong) are introduced, and it is shown how different combinations might be achieved in different environments, especially the combination of

dispersed ownership and strong control and the mechanisms that violate one-share-one vote right to achieve such this combination. The definition of accounting ethics, code of professional conduct, and moral development are introduced.

Prerequisites: BSC001

ACC4505 Islamic Finance and Accounting

3 Cr Hr (3,0)

**4.5
ECTS**

This module provides an insight into the key features of Islamic banking business from theoretical foundations to the development of Islamic banking practices and main types of Islamic banking products. In addition, the module examines the operational features of Islamic banks focusing on their performance and how they differ from conventional interest-based banks. The module also focuses on the accounting and reporting for Islamic banks transactions.

Prerequisites: BSC001

IX. Courses offered by Other Schools

ARB0099: Elementary Arabic

0 Cr Hr (3,0)

0 ECTS

This course aims to develop student’s ability to read, comprehend, literary analyze, grammatically analyze, linguistically analyze, poetically analyze, and rhetorically analyze texts properly. The course also includes a selection of Arabic literature in poetry and prose representing different literary ages, in addition to several common forms of writing such as scientific article, news article, and others.

Prerequisites: Placement Test-

ARB100: Arabic

3 Cr Hr (3,0)

3 ECTS

This course aims to improve the student’s competence in the various linguistic skills in terms of reading, comprehension, and taste. This is achieved through the study of selected texts with many implications that raise issues in spelling, grammar, composition, meaning, and inference, and the use of an old and modern thesaurus.

Prerequisites: ARB0099

ENGL0098: Elementary English

1 Cr Hr (3,0)

3 ECTS

Students will focus on English at an elementary level through the receptive skills of reading and listening and the productive skills of writing and speaking. English III is aimed at students who have achieved a grade of between 0 and 60 on the English Placement Test. This course is zero credit hours. This course enables students to contribute their own knowledge or experience in speaking activities, and use the language correctly. The exposure to a wide variety of listening material with a variety of accents, including some non-native speakers of English improves their level. English III integrates the focus on individual sounds of word and sentence stress where students are encouraged to copy the rhythm of English. Pronunciation is also integrated into Grammar and Vocabulary activities.

Prerequisite: Placement test

ENGL0099: Intermediate English

1 Cr Hr (3,0)

3 ECTS

Students will focus on English at an intermediate level through the receptive skills of reading and listening and the productive skills of writing and speaking. English IV is aimed at students who have successfully passed English III or achieved a grade of between 61-80 on the English Placement Test. This course is zero credit hours. Attendance: Students are required to attend regularly according to the regulations of GJU and should provide the instructor with official excuses in case they are absent for a long time. Participation and homework: Students are required to participate in the group discussion in class. Interaction is necessary as well as oral presentations will be given to measure how fluent students are and to improve

their skill of speaking. Medium of communication: GJU email, face to face (on campus) and during office hours. Teaching method: Explaining, discussing and doing the exercises given to students.

Prerequisites: **ENGL0098**

ENGL1001: Upper Intermediate English

2 Cr Hr (3,0)

3 ECTS

“Education is the ability to listen to almost anything without losing your temper or your self-confidence.” Robert Frost (1874 - 1963) English V is aimed at students who have achieved a passing grade in English IV or a grade between 81 and above on the English Placement Test. English V is equal to three credit hours. Students will focus on English at an upper intermediate level. Students will analyze and produce essays with an emphasis on argumentation and persuasion working both independently and cooperatively to gather, evaluate, and synthesize necessary information. Class activities include interactive lectures, small group and class discussions, informal debates, peer feedback, individual presentations, focused listening exercises and focused viewing exercises as well as assorted reading, writing, and grammar assignments. There will be some poetry analysis together with reading and understanding a short story and a drama using basic literary terms and concepts. Note: The process of argumentation enables us to clarify and develop our own responses to important issues, and a significant part of that process involves dialogue with both those who share our opinions and those who do not. In order to participate responsibly and effectively in meaningful dialogue, we must maintain an attitude characterized by openness, responsibility, rationality, and respect for all participants. Upon finishing this level, all students are eligible to receive an English language proficiency letter indicating their level according to the Common European Framework Reference for Languages (CEFR) varying between B1 and B2 according to the grade they get upon finishing this level..

Prerequisites: **ENGL0099**

ENGL1002: Advanced English

2 Cr Hr (3,0)

3 ECTS

English VI, is the last of the English levels at the German Jordanian University to arm graduates with the best command of the English language in its varied aspects: Reading, Writing, Speaking, Listening and Understanding. It is aimed at students who successfully pass English V and it is three credit hours. This level focuses on a higher level of enhancement of their language. Students can address any audience, through delivering a persuasive speech, making an informative presentation, or analyzing controversial News through News Analysis. The students' Thesis Statements are backed up with: mistake-free language, persuasive logic and verified statistics, numbers and facts to convince the audience with their points of view. Other tools are enhanced involving their language, including specific terminology, tone, intonation and body language to make them acquire the best outcome. Students can also address any topic in writing. With the language skills provided in this level, GJU graduates become more equipped with outstanding abilities and get better chances in the work market, in addition to their knowledge and education in the major fields. The assessment of the students applies Bloom's Taxonomy where the learning objectives are classified according to the different domains including: learning (remembering), understanding, applying, analyzing, evaluating, the creating. Upon finishing this level, all students are eligible to receive an English language proficiency letter indicating their level according to the Common European Framework Reference for Languages (CEFR) varying between B2, C1 or C2 according to the grade they get upon finishing this level.

Prerequisites: **ENGL1001**

GERL101B1: German I B1 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Comprehend very familiar, everyday expressions and very simple sentences and structures related to areas of most immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the Level A1.1 (beginners without pre-knowledge).
- Introduce herself/himself and others, express likes and dislikes, fill out a personal form, ask questions and give answers in present and partially in past tense, set private and semi-official appointments, describe people and things and express frequency and quantity in a very basic way both orally and in writing.
- Communicate with native speakers on a very basic level if those involved in the conversation speak slowly and clearly and are willing to support the non-native speaker.

Prerequisites: Intensive pre-course (only for 1st semester of an academic year)

GERL102B1: German II B1 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Understand and use familiar, everyday expressions and very simple sentences and structures related to areas of most immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A1.2 (basic users).
- Introduce herself/himself and others, express likes and dislikes, fill out a personal form, ask questions and give answers in present and past tense, set private and official appointments, describe people and things, ask for directions, express frequency and quantity in a basic way both orally and in writing.
- Communicate with native speakers on a very basic level if those involved in the conversation speak slowly and clearly and, if need be, are willing to support the non-native speaker.

Prerequisites: GERL101B1

GERL201B1: German III B1 track**3 Cr Hr (6,0)****4 ECTS**

By the end of this module, the student will be able to:

- Understand and use familiar, frequently used expressions and simple sentences and structures related to areas of a wider immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A2.1 (basic users).
- Talk about their academic and/or professional background, describe their living conditions, express likes and dislikes, ask questions and give answers in present and past tense, ask for help and support, make suggestions and give advice, describe health problems and talk with medical doctors and nurses, express pity, sorrow and hopes, express frequency and quantity in a basic way both orally and in writing.
- Communicate with native speakers within simple and familiar tasks requiring a simple and direct exchange of information on familiar and routine matters.

Prerequisites: GERL102B1, ENGL0099

GERL202B1: German IV B1 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Distinguish between familiar expressions, sentences and structures related to areas of immediate relevance and more elaborated components like the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A2.2 (basic users) and, partially, at the level B1.1 (independent user).
- Talk about personal experiences with languages, express feelings of happiness, joy and discomfort, describe own media consumption habits, describe travel experiences, convince others, describe and report in official situations, describe statistics, write formal invitations and short emails, make suggestions and talk about future events and situations, describe dreams hopes and ambitions and briefly give reasons or explanations for opinions and plans.
- Communicate with native speakers about essential points and ideas in familiar contexts.
- Understand the characteristics of the official B1 exam according to the CEFR and use strategies to overcome obstacles while solving said exam.

Prerequisites: GERL201B1, ENGL0099

GERL301B1: German V B1 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B1.1 and B1.2 (independent user).
- Deal with most situations likely to arise whilst traveling in an area where German is spoken, produce simple connected texts on topic which are familiar or of personal interest, describe experiences and events, dreams, hopes and ambitions, statistics, and briefly give reasons and explanations for opinions and plans.

- Understand the main point of many radio or TV programs on current events and topics, understand the description of events, feelings and wishes in personal letters, write personal letters/texts describing experiences and impressions, write straightforward connected texts on topics which are familiar or of personal interest.
- Communicate with native speakers about essential points and ideas in familiar contexts and about topics of personal or partially professional interest.
- Follow a lecture or talk within her/his field, provided the subject matter is familiar and the presentation straightforward and clearly structured.
- Understand simple technical information, such as operating instructions for everyday equipment.
- Understand all characteristics of the official B1 exam according to the CEFR and use a variety of strategies to overcome obstacles while solving said exam and all its components.

Prerequisites: **GERL202B1**

GERL302REG: German VI Regular	3 Cr Hr (6,0)	6 ECTS
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By the end of this module, the student will be able to:

- Successfully manage the application process for a six months internship in Germany which is part of the obligatory 'German Year' for all GJU students. The process consists of finding and understanding a suitable add in accordance with the students' major, writing a convincing CV and cover letter, and mastering an effective and mostly fluent interview, departing spontaneously, taking initiatives, expanding ideas with little help or prodding from the interviewer.
- Successfully manage the most significant situations which the student, in accordance with the currently studied major, encounters during her/his theoretical and practical semester in Germany. This process is being achieved within a technical language training focusing on action orientated and communicative scenarios like following lectures, taking notes, summarizing academic and technical texts, writing official emails and texts related to academic and vocational encounters, holding presentations, communicating both verbally and in writing with professors, university staff, students as well as with colleagues and customers during an internship.
- Understand the concept of general intercultural phenomena, reflect and understand the differences between culture and cultural standards in Jordan and in Germany, understand the concept of 'culture shock' and potentially cope with its different stages, reflect about appropriate and inappropriate behaviour in Germany as well as understand the concepts of open-mindedness and 'culture clash'.

Prerequisites: **GERL301B1**

GERL302INT: German VI Intensive	3 Cr Hr (9,0)	6 ECTS
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By the end of this module, the student will be able to:

- Successfully manage the application process for a six months internship in Germany which is part of the obligatory 'German Year' for all GJU students. The process consists of finding and understanding a suitable add in accordance with the students' major, writing a convincing CV and cover letter, and mastering an effective and mostly fluent interview, departing spontaneously, taking initiatives, expanding ideas with little help or prodding from the interviewer.
- Successfully manage the most significant situations which the student, in accordance with the currently studied major, encounters during her/his theoretical and practical semester in Germany. This process is being achieved within a technical language training focussing on action orientated and communicative scenarios like following lectures, taking notes, summarizing academic and technical texts, writing official emails and texts related to academic and vocational encounters, holding presentations, communicating both verbally and in writing with professors, university staff, students as well as with colleagues and customers during an internship.

Understand the concept of general intercultural phenomena, reflect and understand the differences between culture and cultural standards in Jordan and in Germany, understand the concept of 'culture shock' and potentially cope with its different stages, reflect about appropriate and inappropriate behaviour in Germany as well as understand the concepts of open-mindedness and 'culture clash'.

- Understand all characteristics of the official B1 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and its different components.

Prerequisites: GERL301B1

GERL102B2: German II B2 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Understand and use familiar, everyday expressions and simple sentences and structures related to areas of most immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A1.2 and, partially, A2.1 (basic users).
- Talk about their academic and/or professional background, describe their living conditions, express likes and dislikes, ask questions and give answers in present and past tense, ask for help and support, make suggestions and give advice, express pity, sorrow and hopes, express frequency and quantity in a basic way both orally and in writing.
- Introduce herself/himself and others, express likes and dislikes, fill out a personal form, ask questions and give answers in present and past tense, set private and official appointments, describe people and things, ask for directions, express frequency and quantity in a basic way both orally and in writing.
- Communicate with native speakers on a basic level if those involved in the conversation speak slowly and clearly and, if need be, are willing to support the non-native speaker.

Prerequisites: **GERL101B1**

GERL201B2: German III B2 track**3 Cr Hr (6,0)****4 ECTS**

By the end of this module, the student will be able to:

- Distinguish between familiar expressions, sentences and structures related to areas of immediate relevance and more elaborated components like the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A2.1 and A2.2 (basic users).
- Talk about their academic and/or professional background, describe their living conditions, express likes and dislikes, ask questions and give answers in present and past tense, ask for help and support, make suggestions and give advice, describe health problems and talk with medical doctors and nurses, express pity, sorrow and hopes, describe simple statistics, express frequency and quantity in a basic way both orally and in writing, express feelings of happiness, joy and discomfort and write personal emails and letters, understand and produce comments, blogs and reports.
- Communicate with native speakers in simple and familiar tasks requiring a simple and direct exchange of essential information on familiar and routine matters.

Prerequisites: **GERL102B2**

GERL202B2: German IV B2 track**3 Cr Hr (9,0)****6 ECTS**

By the end of this module, the student will be able to:

- Understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B1.1 and B1.2 (independent user).
- Deal with most situations likely to arise whilst traveling in an area where German is spoken, produce simple connected texts on topic which are familiar or of personal interest, describe experiences and events, dreams, hopes and ambitions and briefly give reasons and explanations for opinions and plans.

- Understand the main point of many radio or TV programmes on current events and topics, understand the description of events, feelings and wishes in personal letters, write personal letters/texts describing experiences and impressions, write straightforward connected texts on topics which are familiar or of personal interest.
- Communicate with native speakers about essential points and ideas in familiar contexts and about topics of personal or partially professional interest.
- Follow a lecture or talk within her/his field, provided the subject matter is familiar and the presentation straightforward and clearly structured.
- Understand simple technical information, such as operating instructions for everyday equipment.
- Understand all characteristics of the official B1 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and all its components.

Prerequisites: **GERL201B2**

GERL301B2: German V B2 track	3 Cr Hr (9,0)	6 ECTS
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By the end of this module, the student will be able to:

- Largely understand and produce rather complex texts on both concrete and abstract topics, including technical discussions in her/his field of specialisation and according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B2.1 (independent user).
- Interact with an initial degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party.
- Largely understand standard spoken language, live or broadcast, on both familiar and unfamiliar topics normally encountered in personal, social, academic or vocational life.
- Show a relatively high controlled degree of grammatical control without making errors which cause misunderstanding and with the growing ability to correct most of her/his mistakes.
- Largely follow essentials of lectures, talks, reports and other forms of academic/professional presentation which are propositionally and linguistically complex.
- Understand announcements and messages on concrete and abstract topics spoken in standard dialect at normal speed.
- Scan quickly through long texts, locating relevant details and understand and exchange complex information and advice on the full range of matters related to her/his occupational role.
- Understand the main characteristics of the official B2 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and its different components.

Prerequisites: **GERL202B2**

GERL302B2: German VI B2 track	3 Cr Hr (6,0)	6 ECTS
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By the end of this module, the student will be able to:

- Understand and produce rather complex texts on both concrete and abstract topics, including technical discussions in her/his field of specialisation and according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B2.2 (independent user).
- Interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party.
- Understand standard spoken language, live or broadcast, on both familiar and unfamiliar topics normally encountered in personal, social, academic or vocational life.
- Show a highly controlled degree of grammatical control without making errors which cause misunderstanding and with the growing ability to correct most of her/his mistakes.
- Follow essentials of lectures, talks, reports and other forms of academic/professional presentation which are propositionally and linguistically complex.
- Understand announcements and messages on concrete and abstract topics spoken in standard dialect at normal speed.

- Scan quickly through long texts, locating relevant details and understand and exchange complex information and advice on the full range of matters related to her/his occupational role.
- Understand all characteristics of the official B2 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and its different components.
- Successfully manage the application process for a six months internship in Germany which is part of the obligatory 'German Year' for all GJU students. The process consists of finding and understanding a suitable add in accordance with the students' major, writing a convincing CV and cover letter, and mastering an effective and mostly fluent interview, departing spontaneously, taking initiatives, expanding ideas with little help or prodding from the interviewer.
- Successfully manage the most significant situations which the student, in accordance with the currently studied major, encounters during her/his theoretical and practical semester in Germany. This process is being achieved within a technical language training focussing on action orientated and communicative scenarios like following lectures, taking notes, summarizing academic and technical texts, writing official emails and texts related to academic and vocational encounters, holding presentations, communicating both verbally and in writing with professors, university staff, students as well as with colleagues and customers during an internship.
- Understand the concept of general intercultural phenomena, reflect and understand the differences between culture and cultural standards in Jordan and in Germany, understand the concept of 'culture shock' and potentially cope with its different stages, reflect about appropriate and inappropriate behaviour in Germany as well as understand the concepts of open-mindedness and 'culture clash'.

Prerequisites: GERL301B2

DES101: Arts Appreciation

3 Cr Hr (3,0)

3 ECTS

An introductory course designed for non-art students to give them the basic knowledge of arts and simple approaches to the understanding of the history, development, elements, criticism, esthetics and materials of different art forms (visual, aural and performing arts). A comparative approach between the different arts is given to enhance the students' global understanding of arts and to give them the ability to look at art works and form their own opinions. The course is combined with examples of audio and visual arts.

Prerequisites: ARB099, ENGL101

MILS100: Military Science

3 Cr Hr (3,0)

3 ECTS

History of the Jordanian Arab Army. United Nations Peace Keeping Forces. Preparation of the nation for defense and liberation. History of the Hashemite Kingdom of Jordan and its development

Prerequisites:

NE101: National Education

3 Cr Hr (3,0)

3 ECTS

In a context of striving towards democracy like the one Jordan enjoys today, the meaning and practice of active and responsible citizenship becomes more crucial. It is often argued that democracy requires "democrats" to flourish, and become well established. Democrats are those women and men who recognize pluralism, inclusion, positive engagement, and participation as the main values that govern their interaction with the state as citizens and with each other as diverse people of different interests. In this course you will be able to understand your rights and responsibilities as Jordanian citizen expand your knowledge about the frameworks, and processes that regulates citizen-state relationships as well as the basic necessary skills for you to practice your citizenship rights in a civic manner.

Prerequisites:

SE301: Social Entrepreneurship and Enterprises

3 Cr Hr (3,0)

3 ECTS

This course will serve as an introduction to the field of social entrepreneurship and social enterprises. Through lectures, field visits, analyses of relevant literature, case studies and exercises, this course will explore social entrepreneurship's potentials, opportunities and limitations. The topics will cover Defining Social Entrepreneurship. Contextualizing Social Entrepreneurship (need, motives, forms, criteria). Role of Leadership, Creativity and Innovation. Locating SE on the profit/non-profit continuum. SE in the larger fields of development, social change, community activism. Social Enterprises (Missions, Markets, Finances). Ethical business and corporate social responsibility.

Prerequisites: English101

EI101: Leadership and Emotional Intelligence **3 Cr Hr (3,0)** **3 ECTS**

skills students will learn will serve them during the course of their studies in project related courses, courses that require teamwork and especially during local field training and international internship. It will also help them succeed in any career they choose because emotional intelligence is currently a key requirement of employers in any field. In addition, individuals who learn the skills highlighted in this course are more likely to avoid miscommunication, reach consensus, manage stress and deal with conflicts effectively.

Prerequisites: English101

PE101: Sports and Health **3 Cr Hr (3,0)** **3 ECTS**

In addition to improved physical health, the skills and knowledge students learn will serve them by improving academic achievement, increasing their self-esteem, decreasing behavioural problems, and improving psychosocial conduct. In addition, students who learn the knowledge and skills highlighted in this module are more likely to be able to distinguish, realize, practice and improve the physical, mental, psychological and social health role in their life circle. By learning healthy nutrition, the importance of sports, and basic first aid, students will be able to lead healthier lives and healthier families. They will be a more productive, healthy part of society and will less likely be a liability to the government, society and health sector. Learning these skills will also allow students to be more independent during their German internship year as they are more aware of general health practices and are able to apply basic first aid practices...

Prerequisites: ARAB099

TW303: Technical and Workplace Writing **3 Cr Hr (3,0)** **3 ECTS**

Technical writing uses a wide range of programs to create and edit illustrations and diagramming programs to create visual aids and document processors to design, create, and format documents. The instructor will incorporate different teaching approaches for the purpose of presenting vital writing skills to the participants by using intensive writing assignments and exercise drills. A fair amount of homework will be given to allow students a chance to revise what they have learned during the lectures. One-to-one discussions and learning samples are part of the comprehensive learning process.

Prerequisites: ENGL102

TW303: Technical and Workplace Writing **3 Cr Hr (3,0)** **3 ECTS**

Technical writing uses a wide range of programs to create and edit illustrations and diagramming programs to create visual aids and document processors to design, create, and format documents. The instructor will incorporate different teaching approaches for the purpose of presenting vital writing skills to the participants by using intensive writing assignments and exercise drills. A fair amount of homework will be given to allow students a chance to revise what they have learned during the lectures. One-to-one discussions and learning samples are part of the comprehensive learning process.

Prerequisites: ENGL102

CS115: Computing Fundamentals for Business and Logistics **3 Cr Hr** **4.5 ECTS**
(3,0)

This module introduces basic information technology skills and concepts including the Internet and the web, electronic commerce, application software, system software, basics of computer hardware: the system unit, input and output devices, secondary storage, communications and networks, privacy, security, computer ethics, information systems, systems analysis and design. Moreover, the module introduces basic programming skills including creating web pages using hypertext mark-up language (HTML) and cascading style sheets (CSS), working with a database management system using the structured query language (SQL), and the basics of the C++ language, e.g., variables, data types, arithmetic and logic expressions, input/output operations, selection structures, loop structures, arrays.

Coerequisites: CS1150

CS1150: Computing Fundamentals for Business and Logistics Lab **1 Cr Hr** **1.5 ECTS**
(3,0)

This lab aims to enhance hands-on experience on four application software (MS Word, MS Excel, MS PowerPoint, and MS Access) and practice creating basic C++ programs using variables, data types, arithmetic and logic expressions, input/output operations, selection structures, loop structures, arrays and authoring web pages using hypertext mark-up language (HTML) and cascading style sheets (CSS).

DS101 Dual Study Practical I **3 Cr Hr** **3 ECTS**

Student and the company/organization agree on a training plan for the 12-week practical phase. The student will be given a general orientation to the company/organization and be assigned to one or more departments in the company. He/She and will contribute to the completion of routine tasks. In addition to guidance from the company/organization, the student will be supervised and evaluated by a University instructor. Supervision can be performed via a combination of field visits, virtual meetings, and direct communication with the student and/or his supervisor in the company/organisation. The regular aim for the academic supervisor is to visit the student once during the practical phase. During the training, the student will learn about the various responsibilities of professionals in his/her field and interact with employees. He/she will learn the basic processes and services inside the company/organization. The student will also perform supervised work and apply their basic professional knowledge in their work activities. Students will learn about the importance of professionalism, organization, effective communication, and ethics in the work environment. They will construct a general awareness of the culture of the company and develop a good understanding of the company's position in its targeted market. Students will get the opportunity to start building their professional network.

Prerequisites: Departmental Approval

DS201 Dual Study Practical II **3 Cr Hr** **3 ECTS**

Student and the company/organization agree on a training plan for the 12-week practical phase. The student will be assigned to one or more departments in the company and will contribute to the completion of their routine tasks. In addition to guidance from the company/organization, the student will be supervised and evaluated by a University instructor. Supervision can be performed via a combination of field visits, virtual meetings, and direct communication with the student and/or his supervisor in the company/organisation. The regular aim for the academic supervisor is to visit the student once during the practical phase. During the training, the student will learn to become aware of the main responsibilities of professionals in his/her field. He/she will become familiar with processes and services inside the company/organization. The student will also perform work with limited supervision and apply their scientific knowledge in their work activities. Students will learn and practice professionalism, organization, effective communication, and ethics in the work environment. They will construct a sound awareness of the culture of the company and develop a very good understanding of the company's position in its targeted market. Students will get the opportunity to expand their professional network. They will also work on a project assignment related to the work of his/her company. The project is then evaluated at the end of the training period.

Prerequisites: DS101, ENGL0099, Departmental Approval

DS301 Dual Study Practical III **0 Cr Hr** **6 ECTS**

Student and the company/organization agree on a training plan for the 12-week practical phase. The student will be assigned to one or more departments in the company and will contribute to the completion of their routine tasks. During the training, the student will learn to become fully aware of the main responsibilities of professionals in his/her field. He/she will become familiar with processes, projects, and services inside the company/organization. The student will also perform work with limited or no supervision and apply their scientific knowledge in their work activities. Students will learn and practice professionalism, organization, effective communication, and ethics in the work environment. They will construct a strong awareness of the culture of the company and develop an excellent understanding of the company's position in its targeted market. Students will get the opportunity to expand their professional network.

Prerequisites: DS201, Departmental Approval