Prof. Dr. MOHAMMAD SULEIMAN AWWAD CURRICULUM VITAE (CV)

Last updated: 01/01/2022

Personal Data

Name:	Mohammad Suleiman Oqlah Awwad
Title:	Full Professor
Major:	Business and Marketing
Date of Birth:	1/12/ 1967.
Place of Birth:	Amman - Jordan.
Nationality:	Jordanian.
Marital Status:	Married.



<u>Dr. M.</u> HWWHD

Mailing Address

Department:	Department of Business Administration
Faculty:	Faculty of Business
University:	Mutah University
Post Code:	Al-Karak 61710, Jordan
B.O. Box:	(7)
Country:	The Hashemite Kingdom of Jordan.
Telephone:	00962-3 2372380, Ext. 6157
Mobile:	00962-796700311
E-mail	awwad@mutah.edu.jo awwad67@yahoo.com awwad67@gmail.com
Website	https://academic.mutah.edu.jo/awwad/sitepages/Home.aspx

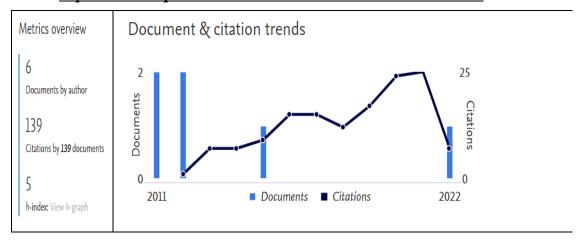
Important Notes:

Prof. Dr. Mohammad Awwad is:

- A Member of the Editorial Board of "Mutah Lil-Buhuth wad-Dirasat" Journal for the year 2021-2022.
- 2. A Member of the Board of Trustees of Aqaba University of Technology for four years started from 29/5/2018
- 3. Holds a certificate from the "Higher Education Accreditation Commission" indicating that he is accredited in the fields of E-Business Management, Operations and production management, and Strategic management as a

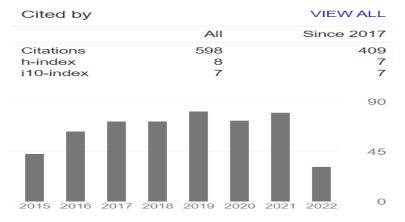
knowledge fields.

- **4.** Gets seniority for one year in academic ranking and salary at Mutah University for 2014 academic year, as a result of publishing seventeen articles during his occupancy of Associate Professor rank.
- **5.** Taught for three years (2011-2013) as a full-time lecturer at New York Institute of Information Technology NYIT. (American university).
- 6. Prof. Dr. Mohammad Awwad on:
 - a. <u>Scopus:</u> Scopus Author ID: 40460908000 https://www.scopus.com/authid/detail.uri?authorId=40460908000



b. Google Scholar:

https://scholar.google.com.my/citations?user=E4_AHtkAAAAJ&hl=en



c. <u>Publons:</u>

https://publons.com/researcher/4562095/mohammad-suleiman-awwad/



d. <u>Research gate:</u>

<u>https://www.researchg</u>	ate.net/profile/Mohammad Awwad
Mohammad Awwac Mu'tah University · Business and Mark Doctor of Philosophy; Professor of Bus	eting
About Publications 3 Network	
About	
33 9,427 Publications Reads ()	287 Citations
	rcher and <u>C</u> ontributor <u>ID:</u>
<u>https://orcid.org/0000-</u>	- <u>0003-3079-4342</u>
ORCID Connecting research and research	chers
	B Is this you? <u>Sign in to start editing</u>
https://orcid.org/ 0000-0003-3079-434	42 Name Mohammad Awwad
f. <u>Web</u> of Science Resea	archerID:

AAJ-5281-2021

Education							
Degree	Degree University Year Major Average						
High School		1986	Scientific stream	75.4%			
Bachelor	Jordan University	1990	Business and statistics	75.1%			
Master	Jordan University	1994	MBA	84.2%			
PhD	Amman Al-Arabia	2003	Business/Marketing	3.94			

A)	Internatio	onal Journals (Scopu	s Ind	exed)	
No	Author/s	Research Title	Year	Journal (Publisher)	Vol. /No.
1)	Awwad, M.S. & Qtaishat, Ali	The Impact of Intellectual Capital on Financial Performance of Commercial Banks: The Mediating Role of Competitive Advantage.	2022	International Journal of Learning and Intellectual Capital (Inderscience)	<u>Accepted</u> <u>(ahead-</u> of-print)
2)	Awwad, M.S. & Al- nasraween, Noor	Retaining customers through knowledge sharing: The mediating role of market orientation.	2022	International Journal of Knowledge Management Studies (Inderscience)	<u>Accepted</u> <u>(ahead-</u> of-print)
3)	Awwad, M.S. & Hiary, Haya	Predicting Employee Turnover Using Financial Indicators in the Pharmaceutical Industry.	2022	Industrial and Commercial Training (Emerald Group Publishing)	<u>Accepted</u> (<u>ahead-</u> <u>of-print)</u>
4)	Awwad, M.S. & AL-Aseer, Rana	Big Five Personality Traits Impact on Entrepreneurial Intention: The Mediating Role of Entrepreneurial Alertness.	2021	Asia Pacific Journal of Innovation and Entrepreneurship (Emerald Group Publishing)	<u>Vol: 15</u> <u>No. 1</u> , p. 87-100
5)	Awwad, M.S. & Al-Majali, S.M.	Electronic Library Services Acceptance and Use: An Empirical Validation of Unified Theory of Acceptance and Use of Technology	2016	The Electronic Library (Emerald Group Publishing)	<u>Vol: 33</u> <u>No. 6</u> , p. 1100- 1120
6)	Awwad, M.S.	An Application of the American Customer Satisfaction Index (ACSI) in the Jordanian Mobile Phone Sector	2012	TQM Journal (Emerald Group Publishing)	<u>Vol: 24</u> <u>Iss:6</u>
7)	Awwad, M.S. & Ali, Hanane	Emotional Intelligence and Entrepreneurial Orientation: The Context of Industrial Small and Medium-Sized Enterprises in Jordan	2012	Journal of Research in Marketing and Entrepreneurship (Emerald Group Publishing)	<u>Vol:14</u> <u>Iss:1</u>
8)	Awwad, M.S. & Bashar, N.	Factors Affecting Switching Behavior of Mobile Service Users: The Case of Jordan	2010	Journal of Economic & Administrative Sciences (Emerald Group Publishing)	<u>Vol: 26</u> <u>No. 1</u>
9)	Awwad, M.S. & Agti, Djouhara	The Impact of Internal Marketing on Jordanian Commercial Banks' Market Orientation	2011	International Journal of Bank Marketing (Emerald Group Publishing)	<u>Vol:29</u> <u>No. 4</u>

Publications: Articles

B)	B) Regional Journals					
No	Author/s	Research Title	Year	Journal (Publisher)	Vol. /No.	
10)	Awwad, M.S. & Al- Karaki, Abdallah	The Impact of Corporate Entrepreneurship on the Performance of Jordanian Telecom Companies	2021	Studies in Business and Economic (Qatar University)	Vol: 24, No. 1	
11)	Zoubi, F., Al-Majali, S. & Awwad, M.	Investigating the Effect of Innovations' Characteristics on the Adoption of Electronic Newspapers in Jordan	2016	Arab Journal of Administrative Sciences (Kuwait University)	<u>Vol:23</u> <u>No. 1</u> pp. 115- 142	
12)	Awwad, M.S. & Al- jaafreh, Seham	Investigation of Factors Affecting Online Knowledge Sharing of Knowledge Training Centers in the MENA Region	2015	Studies in Business and Economics (Qatar University)	<u>Vol.</u> <u>18, No</u> <u>2</u> p. 35- 56	
13)	Awwad, M.S.	The Effect of Perceived Relationship Quality on Customer Retention: Jordanian Cellular Telecommunication Market	2013	Arab Journal of Administrative Sciences (Kuwait University)	<u>Vol. 20</u> <u>No. 1</u>	
14)	Awwad, M.S.	Consumer Attitudes toward Mobile Advertising: An Empirical Investigation among Jordanian Users	2011	Journal of Economic and Administrative Sciences (Emirates University)	Vol:27 Iss:1	
15)	Awwad, M.S. & Al- Mohamma d, S.	Assessing Online Registration System's (ORS) Success: An Application of DeLone and McLean's Model of Information Systems Success	2010	Studies in Business and Economics (Qatar University)	<u>Vol: 15</u> <u>No. 2</u>	
16)	Awwad, M.S.	Determinants of accounting services quality and its impact on Jordanian customers' satisfaction from marketing perspective	2006	Arab Journal of Administrative Sciences (Kuwait University)	<u>Vol. 13</u> <u>No. 2</u>	
17)	Awwad, M.S. & Al- Adaileh, R.	Investigation of Factors Influencing Students' Intentions to Use Internet: Jordanian Universities Context	2006	Journal of Business and Economics (Qatar University)	<u>Vol. 12</u> <u>No. 2</u>	
18)	Sheikh Salem, F. & Awwad, M.S.	Perceived Benefits of Electronic Commerce Applications' Adoption by Jordanian Companies	2005	Al-Nahdah Journal (Cairo University)	Vol. 6 No. 2	

C)	Local J	ournals			
19)	Awwad, M.S. & Alqaisi, Buthainah	The Impact of Social Responsibility Costs on Financial Performance of Jordanian Banks	2021	Jordan Journal of Business Administration (Jordan University)	Vol. 18, No 1
20)	Awwad, M.S. & Al- Majali, S.M.	The Effect of Evaluative Judgments on Service Encounters Satisfaction and Customer Loyalty: The Moderating Role of Customers' Characteristics	2016	Dirasat (Jordan University)	<u>Vol.</u> <u>43, No</u> <u>1</u>
21)	Awwad, M.S. & Al- Majali, S.M.	Behavioral Responses to Sales Promotion Tools from Consumer's Viewpoint	2015	Dirasat (Jordan University)	<u>Vol: 42</u> <u>No. 1</u>
22)	Awwad, M.S.	Export Information Types and Importance from Jordanian Exporting Companies' View Point	2014	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	Vol: 29 No. 5
23)	Awwad, M.S.	The Effect of Social Factors on Service Encounters Satisfaction and Customer Loyalty	2014	Jordan Journal of Business Administration (Jordan University)	<u>Vol: 10</u> <u>No. 3</u>
24)	Awwad, M.S. & AL- Qralleh, A.	Relationship Marketing and Customer Retention: The Case of Jordanian Mobile Telecom Companies.	2014	Dirasat (Jordan University)	<u>Vol:41</u> <u>No. 2</u>
25)	Awwad, M.S.	The Effect of Relational Bonds on Switching Behavior of Mobile Service Users in Jordan	2012	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 8</u> <u>No. 2</u>
26)	Awwad, M.S. & Al- Adaileh, R.	Factors Determining Customer Relationship Management Practices: The Context of Jordanian Commercial Banks	2012	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 8</u> <u>No. 1</u>
27)	Awwad, M.S. & Agti, Djouhara	The Organizational Commitment of Faculty Members of Jordanian and Algerian Universities: A Comparative Analysis	2012	Dirasat (Jordan University)	<u>Vol:39</u> <u>No. 2</u>
28)	Awwad, M.S. & Agti, Djouhara	The Effect of Organizational Commitment on Jordanian Commercial Banks' Market Orientation	2011	Abhath Al- Yarmouk: Humanities and Social Sciences Series (Yarmouk University)	<u>Vol:27</u> <u>No. 2</u> <u>C</u>
29)	Awwad, M.S. & Bensalah, M.	Factors affecting Electronic Data Interchange implementation: The case of Jordanian commercial banks	2011	Dirasat (Jordan University)	<u>Vol: 38</u> <u>No. 1</u>
30)	Awwad, M.S. & Ma'aitah, M.	Jordanian Consumers' Perception towards Shopping Centers Attractiveness	2010	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	Vol: 25 No. 4
31)	Awwad,	Investigation of Factors	2010	Dirasat (Jordan	<u>Vol. 37</u>

	M.S. & Ghadi, M.	Influencing the Intention to Adopt Mobile Banking Services in Jordan		University)	<u>No. 2</u>
32)	Awwad, M.S.	Application of structural equation modeling to Investigate factors affecting the intention to adopt Internet Banking in Jordan	2009	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 5</u> <u>No. 2</u>
33)	Awwad, M.S.	Website Quality Factors from Jordanian Universities Students' viewpoint: An Exploratory Study	2006	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 2</u> <u>No. 1</u>
34)	Awwad, M.S.	The impact of exporting information sources on the exporting performance of the Jordanian exporting companies	2006	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 2</u> <u>No. 4</u>
35)	Awwad, M.S.	Perceived justice in banking service encounters and its impact at Jordanian customer's satisfaction	2005	Al-Manarah (Al al-Bayt University)	Vol. 11 No. 2
36)	Sheikh Salem, F. & Awwad, M.S.	Perceived obstacles Of Electronic Commerce Applications' Adoption By Jordanian Companies	2005	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 1</u> <u>No. 1</u>
37)	Khatib, F. & Awwad, M.S.	Determinants of information search for financial services in Jordan	2003	Dirasat (Jordan University)	Vol. 30 No. 1
38)	Khatib, F. & Awwad, M.S.	Measuring the Service Quality of Marketing Information System Technology: The Case of Jordanian Commercial Banks Sector	2003	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	<u>Vol. 18</u> <u>No 4</u>
39)	Khatib, F. & Awwad, M.S.	Work load determine and productivity measurement in private sector at southern municipalities	Southern Center for Training and Consultations, Mutah University, Jordanian Ministry of Work, 2006.		

Publications: Books	
Title	Year
Principles of Marketing: Basic Concepts (Arabic)	4 th edition, 2006
Operational Research: Theory and Practice (Arabic)	1 st edition 1998
Business Communication Skills: concepts and practices (English)	1 st edition 2004

	Master Theses Supervision and Discussion				
•	• Prof. Dr. Mohammad Awwad	has pai	ticipated in more tha	n 50 master and	
	doctoral thesis discussion com	mittees.			
•	• Prof. Dr. Mohammad Awwad	d has s	supervised the follow	ring Master and	
	doctoral theses:				
	Student Name	year	Uiversity	Language	
1.	Mohammed Yasin Ghadi	2007	Mutah	English (MBA)	
2.	Mokhles A. Ma'aitah	2008	Mutah	English (MBA)	
3.	Bashar Na'amat	2008	Mutah	English (MBA)	
4.	Majida Salah Al Arabi	2009	Mutah	English (MBA)	
5.	Arwa Qaraleh	2010	Mutah	English (MBA)	
6.	Djouhara Ali Agti	2010	Mutah	English (MBA)	
7.	Kamel Sulieman Al Tarawneh	2010	Mutah	English (MBA)	
8.	Hanane Ali Yakhlef Kada Ali	2011	Mutah	English (MBA)	
9.	Abd-Almajeed Al-Balawi	2011	Mutah	Arabic (MBA)	
10.	Hazem Al-Kasassbeh	2012	Amman Al-Arabiah	Arabic (MBA)	
11.	Sameer Mousa AL-Jabaly	2012	Amman Al-Arabiah	English (PhD)	
12.	Saad Abdulah Alsunaid	2012	Mutah	English (MBA)	
13.	Hareth Al -Shamayleh	2012	Mutah	English (MBA)	
14.	Dara Diab Al-Badayneh	2013	Mutah	English (MBA)	
15.	Seham Ahmad Al-jaafreh	2013	Mutah	English (MBA)	
16.	Ahmad Jamal Odeh	2013	Mutah	English (MBA)	
17.	Muna Al-khresheh	2013	Mutah	Arabic (MBA)	
18.	Ola Almubaydeen	2014	Mutah	English (MBA)	
19.	Abdallah Abu Karaki	2019	Mutah	English (MBA)	
20.	Buthainah Al-Qaisi	2019	Mutah	Arabic (MBA)	
21.	Haya Al-Majali	2019	Mutah	English (MBA)	
22.	Farah Mohammad Lafi	2020	Mutah	English (MBA)	
23.	Noora Al-Marri	2020	Mutah	Arabic (MBA)	
24.	Rana AL-Aseer	2020	Mutah	English (MBA)	
25.	Yazan Mohammad Alqatamin	2020	Mutah	English (MBA)	
26.	Rewa Nasser Al Smadi	2020	Mutah	Arabic (MBA)	
27.	Ronza R Qussous	2020	Mutah	English (MBA)	
28.	Ali Qtaishat	2021	Mutah	Arabic (MBA)	
29.	Abdullah Badr Al-Duwailah	2021	Mutah	Arabic (MBA)	
30.	Haya Alhiyari	2021	Mutah	English (MBA)	
31.	Noor Moh'd Al Nassraween	2021	Mutah	English (MBA)	
32.	Bashar Abdul Rahim Al Asasfa	2021	Mutah	Arabic (MBA)	
33.	Samir Taha alkhamis	2022	Mutah	Arabic (MBA)	
34.	Balqis Ali Al-Ajaleen	2022	Mutah	Arabic (MBA)	

Experiences					
1) Managerial Exp	perience				
Title	Department	Univer	sity	period	
Chairman	Business Dep.	Muta	nh	2014-2015	
Chairman	Marketing Dep.	Muta	h	2009-2010	
Chairman	Finance Dep.	Muta	h	2006-2007	
Dean Assistant	Faculty of Business	Muta	h	2006-2007	
2) Academic Expe	rience (Full Time)				
T itle	University	Department	1	period	
Professor	Mutah	Business	1/10/20	15 – Until now	
Associate Prof.	NYIT	Business	1/2/201	1 - 30/5/2013	
Associate Prof.	Amman ALArabiah	Business		10 - 30/1/2011	
Associate Prof.	Mutah	Business		09 -12/9/2010	
Assistant Prof.	Mutah	Business		04 - 12/9/2009.	
Instructor	Mutah	Business		98 - 12/9/2004.	
Full time lecturer	Mutah	Business		4 to 12/7/1998	
Teaching assistant	Jordan University	Business		92-1994	
3) Academic Expe		Dubintebb	10	02 1001	
Part time lecturer	Jordan Unive	rsity	Severa	al semesters	
Part time lecturer	Arab Acade	-	-	al semesters	
Part time lecturer	Amman Al A			al semesters	
Part time lecturer	Middle East Un			al semesters	
4) Teaching Expendence		iversity	007010		
a) Undergraduat					
ý	nguage (Arabic):	Dringinles of	Marlastin	a Markatina	
Management. Planning an Management. Policies. Quan Teaching lan Computer A Management	Distribution Channe Sales Management d Management. Principles of Manage titative Methods for M aguage (English): Applications in M Information Systems. ics for Business.	. Operational Banking Ma ment. Researc arketing. Computer Ap arketing. In	Researc anagement ch Method oplications ternationa	 h. Production t. Promotion lology. Pricing in Business. l Marketing. 	
b) Graduate cou		-			
1. Business Statistics.9. Projects management2. Research Methodology.10. Marketing Strategy.3. Marketing Management.11. Entrepreneurship4. Operations Management.12. Supply Chain Management5. E-Marketing.13. Total Quality Management6. E-Business.14. Strategic Management7. Advanced International Business.15. Human Resource Management					
8. International Business.16. Organizational Behavior5) E-courses content development (E-learning)					
 internet adoption in teaching various graduates and undergraduates academic courses. Dr. Awwad develop and teach several courses through e-learning portal (<u>http://elearning.mutah.edu.jo/</u>) and Microsoft Teams (e.g., Operations Management; Electronic Marketing; Computer Applications; Electronic Marketing; Organizational Behavior; Human Resourses Management). 					

Relevant skills				
a) Computer Skills				
- Dr. Awwad has got '	The International C	omputer Driving Licer	nse (ICDL) In English	
Language.				
		lications in Business a		
	-	oftware (DOS, Window		
		erPoint, SPSS (Statistic	•	
	-	or Business), and Datal		
		nd E-Business using w	veb sites developing	
software like FrontPa	•			
		nerous computer softw		
<u>Progra</u> Word			<u>ility</u> ellent	
Power Po			ellent	
Excel			ellent	
Acces			ellent	
Front Pa	-		ellent	
SPSS			ellent	
AMOS	5	Exce	ellent	
SmartP	LS	Exce	ellent	
Window	VS	Exce	ellent	
E-mai	1		ellent	
Interne	et	Exce	ellent	
b) Language Skills				
Language	Reading	Writing	Conversation	
English	Very good	Very good	Very good	
Arabic	Excellent	Excellent	Excellent	
c) Technical Skills				
•••	aching online cour	ses.		
- Writing research				
		rical consultations.	J	
	-	essional reports, and	-	
		ocial Science (SPSS). 1 Equation Model" ut		
Package "AMOS"				
 Designing web si 				
Designing web si				
d) Research Skills				
Goal-setting		Time-Management;	Vision; Realistic;	
		ad; Organization.		
Data collection	Observation;	,	Questionnaires;	
	Experimentation; Conducting focus groups.			
Analysis of informati		books; Encyclope		
Databases; Scholarly journals; Newspapers; Library catalogs.				
Internet research				
Interviewing				
-	-			
	participation			
Interviewing	Exploring de A plan of Respectfulne Actively Lis	Exploring deeper; Organizing findings.A plan of action; Specific, pointed questions;Respectfulness; Considering the interview setting;		

Report writing	Proper format; Including a summary; Focusing on
	initial goal; Creating an outline; Proofreading.
Critical thinking	Observation; Analysis; Assessing issues; Problem-
	solving; Creativity; Communication.
Note-taking	Focus; Organization; Using short-hand; Keeping objective in mind; Neatness; Highlighting important
	points; Reviewing notes.
Reviewing Skills	Dr. Awwad is a reviewer for several local and
_	international academic journals.

e) Statistical analysis skills

Dr. Awwad is an expert in advanced statistical analysis using path analysis programs (structural equations models) which includes the following programs:

- 1 SPSS (Statistical Package for Social Sciences)
- 2 AMOS (Analysis of Moment Structures).
- 3 SmartPLS 2.0 M3 Beta (Partial Least Squares).
- 4 STATA (panel data analysis)
- 5 Gretl (panel data analysis)
- 6 XLSTA
- 7 LISREL (Linear Structural Relations).

Dr. Awwad has participated in the following committees:

- Member of the preparation and development of the master's program in "E-Business".
- A chairman of the electronic students' election monitoring committee for the department of Business Administration & Marketing at Mu'tah University for the academic years 2004/2005 and 2005/2006.
- Representative of the Business Administration & Marketing in Business faculty council at Mutah University for the academic years 2004/2005 and 2005/2006.
- A member in the negotiating committee for the Quality Accreditation awarded to the Department of Business Administration & Marketing at Mutah University 2005.
- A chairman and a member of various subcommittees for Business Administration curriculum design and Business courses description in the Department of Business Administration at Mu'tah University
- A member, along with my teaching period at Mu'tah University, in the Department's committee for scores lists auditing.
- A member in Graduate studies' committee for MBA curriculum design and students affairs.
- A member of marketing committee for B.Sc. degree at Mu'tah University.

- A member of proficiency exam committee for graduate students of marketing specialization at Mutah University according to higher education council regulations.

Training courses		
Dr. Awwad has conducted the following training courses:		
_	Decision Support Systems. 24-22/11/2021; Arab Planning Institute / State of Kuwait; 15 training hours; Online. Decision Support Systems. 2-4/11/2020; Arab Planning Institute / State of	
_	Kuwait; 15 training hours; Online. Negotiation Strategies and Building an Effective Negotiator. -12 20/11/2021; Arab Planning Institute / State of Kuwait; 15 training hours; Online.	
_	"Procurement Management and warehouses from quality perspective" for the employees of municipalities of Karak.	
_	Skills development of stores and warehouses staff. For top - management employees at Mutah University.	
_	Integrated Skills course in Purchasing and Materials Management and inventory. For Mutah University employees.	
_	" <u>Banking Marketing</u> " for the employees in the commercial banks.	
_	" <u>Banking Marketing</u> " for Islamic bank's employees.	
_	" <u>Employees Motivation</u> " held in Oman-Muscat, Oman Arab Bank.	
_	" <u>Computer Applications in Business</u> " for top -management employees	
	at Mutah University.	
_	" <u>Selling Skills</u> " for employees from the private sector.	
_	"Project Management" for top -management employees at Mutah	
	University.	
_	" Developing Personal Skills " for top -management employees at Mutah University.	
_	" Preparing Marketing Plan " for employees from the private sector.	
_	"Customer service skills" for employees from the private sector.	
_	" <u>Access & Excel application software</u> " for the accountants of municipalities of Karak.	
_	"SPSS application software" for the researchers of municipalities of Karak.	
_	" Participatory rural appraisal (PRA) " for the employees of municipalities of Karak.	
_	" <u>Change Management</u> " for the employees of municipalities of Karak.	
_	Self-development for the employees of Justice Officials.	
_	"Statistical analysis using SPSS" for the staff of the Ministry of	

- "Statistical analysis using SPSS" for the staff of the Ministry of Agriculture in the provinces of the south, each for a period of 40 hours.