




UNIVERSITY OF SARGODHA  
OFFICE OF THE REGISTRAR  
(ACAD BRANCH)

NOTIFICATION

On the recommendations of Academic Council made in its 21<sup>st</sup> (2/2024) meeting held on 07.06.2024, the Syndicate in its 67<sup>th</sup> (3/2024) meeting held on 12.07.2024 approved the curriculum of BS in Development Studies for implementation w.e.f. Fall 2024 (Annex-'A').

  
(WAQAR AHMAD)  
Additional Registrar (General)

Dated: 31.01.2025 

No. SU/Acad/25/ 121

Distribution:

- Chairman, Department of Agricultural Extension and Rural Studies
- Controller of Examinations
- Director Academics

C.C:

- Dean, Faculty of Agriculture
- Principal College of Agriculture
- Director, QEC
- Additional Registrar (Affiliation & Registration)
- Secretary to the Vice-Chancellor
- PA to Registrar
- Notification File

## SCHEME OF STUDIES

### **Bachelor of Science in Development Studies (BS Development Studies)**

**1. Title of Degree Program: BS Development Studies**

**2. Program Learning Objectives:** After graduation the graduates will be able to:

- To provide a sound basis for conceptual understanding of issues related to study of development policies and practices with particular reference to Pakistan.
- Also, the program has been designed in a way where it leads to professional enhancement and increased options and opportunities for the current and emerging jobs in private and public sectors in the regional, national and international arenas.
- The program also encompasses the study of societies, economies and institutions of the “developing countries”, their inter-connectedness with the “developed world” and the process through which the international institutions and mechanisms impact upon the overall goals of development within a global context.
- To Equip the future development practitioners with modern and innovative techniques of the field and to use them with scientific insight for the sustainable development

**Program Learning Outcomes (PLOs)**

After graduation the graduates will demonstrate:

**Knowledge:** Knowledge and understanding of major Development concepts.

**Problem Analysis:** Ability to identify, design and analyze real word problems for getting desired outcome conclusion using development studies principles.

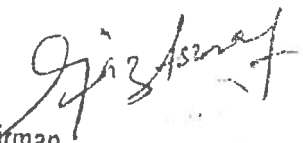
**Investigation:** Ability to investigate problems using appropriate methodology to infer valid conclusions.

**Modern Tool Usage:** Ability to choosing latest techniques and tools for the solution of problems.

**Ethics:** Ethical principal for fulfilling responsibilities and cultural norms needed to be practiced while working with community.

**Individual and Team Work:** Ability to work efficiently as an individual or in a team, on multifaceted and /or multidisciplinary settings.

**Communication:** Ability to have effective oral and written communication about outreach concepts.

  
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### 3. Program Structure:

<b>Duration</b>	<b>Minimum 4-Years (8-Semesters), Maximum 6-Years (12-Semesters)</b>
<b>Admission Requirements:</b>	At least 45% marks in HSSC (Part-I / II) (FA, F.Sc. (pre-medical & Pre-engineering), ICS, I.Com, D.Com), DAE (1st & 2nd Year) or Equivalent qualification
<b>Degree Completion Requirements:</b>	Degree Requirements: 141 credit hours

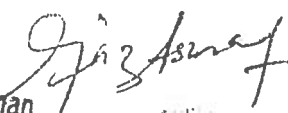
### 4. General Education (Gen Ed) Requirements: (Mandatory/Core Courses):

*The minimum requirement for Gen Ed is 33 credits hours and will be offered in first four semesters only.*

Sr. No.	Semester	Course Code	Course Title	Credit Hours	Prerequisite
1.	1	URCG-5118	Functional English	3(3-0)	Nil
2.	1	URCG-5105 URCG-5126	Islamic Studies (OR) Ethics	2(2-0)	Nil
3.	1	URCG-5123	Applications of Information and Communication Technologies (ICT)	3(2-1)	Nil
4.	2	URCG-5112	Fables, Wisdom Literature, and Epic	2(2-0)	Nil
5.	2	URCG-5116	Science of Society-I	2(2-0)	Nil
6.	2	URCG-5120	Exploring Quantitative Skills	3(3-0)	Nil
7.	2	URCG-5127	Seerat of the Holy Prophet (SAW)	1(1-0)	Nil
8.	2, 4, 6, 7	URCG-5111	Translation of the Holy Quran – I	Non-Credit	Nil
9.	3	URCG-5119	Expository Writing	3(3-0)	Nil
10.	3	URCG-5121	Tools for Quantitative Reasoning	3(3-0)	Nil
11.	3	URCG-5122	Ideology and Constitution of Pakistan	2(2-0)	Nil
12.	4	URCG-5115	The Science of Global Challenges	3(2-1)	Nil
13.	4	URCG-5124	Entrepreneurship	2(2-0)	Nil
14.	4	URCG-5125	Civics and Community Engagement	2(2-0)	Nil
15.	4	URCG-5128	Pakistan Studies	2(2-0)	Nil
16.	4	URCG-5111	Translation of the Holy Quran – II	Non-Credit	Nil
<b>GE Courses Credit Hours Total</b>				<b>33</b>	

## 5. Single Major Courses:

Sr. No.	Course Code	Course Title	Credit Hours	Prerequisite
1.	DEVS-5101	Introduction to Development Studies	3(3-0)	Nil
2.	DEVS-5102	Socio-Economic Development of Pakistan	3(3-0)	Nil
3.	DEVS-5103	History and Philosophy of Development	3(3-0)	Nil
4.	DEVS-5104	Issues and Perspectives of Rural Development	3(3-0)	Nil
5.	DEVS-5105	Public Policy and Governance	3(3-0)	Nil
6.	DEVS-5106	Poverty, Livelihood and Development	3(3-0)	Nil
7.	DEVS-5107	Environment and Development	3(3-0)	Nil
8.	DEVS-5108	Local Government System and Rural Development	3(3-0)	Nil
9.	DEVS-5109	Community Development Issues and Strategies	3(3-0)	Nil
10.	DEVS-5110	Development Theories and Practices	3(3-0)	Nil
11.	DEVS-5111	Communication for Development	3(3-0)	Nil
12.	DEVS-5112	Introduction to Development Economics	3(3-0)	Nil
13.	DEVS-5113	Anthropology	3(3-0)	Nil
14.	DEVS-5114	Development Project Planning & Management	3(3-0)	Nil
15.	DEVS-5115	Leadership and Management Skills	3(3-0)	Nil
16.	DEVS-5116	Microfinance and Poverty Reduction Strategies	3(3-0)	Nil
17.	DEVS-5117	Political Economy & Development	3(3-0)	Nil
18.	DEVS-5118	Natural Resources & Sustainable Development	3(3-0)	Nil
19.	DEVS-5119	Research Methods in Development Studies	3(2-1)	Nil
20.	DEVS-5120	Disaster Management and Development	3(3-0)	Nil
21.	DEVS-5121	Development and Governing Issues in Developing Countries	3(3-0)	Nil
22.	DEVS-5122	Non-Governmental Organizations and Development	3(3-0)	Nil
23.	DEVS-5123	Rural-Urban Divide and Development	3(3-0)	Nil
24.	DEVS-5124	Human Resource Management	3(3-0)	Nil
25.	DEVS-5125	Gender and Development	3(3-0)	Nil
26.	DEVS-5126	Religion, Politics and Development	3(3-0)	Nil
27.	DEVS-5127	Spatial Techniques for Development Studies	3(3-0)	Nil
28.	DEVS-5128	Agrarian Reforms and Rural Development	3(3-0)	Nil
29.	DEVS-5129	Structure and Issues of Rural Economy	3(3-0)	Nil
30.	DEVS-5130	Technical and Scientific Report Writing	3(2-1)	Nil
<b>Major Courses Credit Hours Total</b>			<b>90</b>	

  
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**6. Interdisciplinary/Allied courses: minimum 12 credit hours:**

*Interdisciplinary/Allied courses will be offered in 1<sup>st</sup> to 4<sup>th</sup> semester.*

1.	AGRE-6110	Management of Natural Resources	3(3-0)	Nil
2.	AGRE-6116	Environment and Sustainable Development	3(3-0)	Nil
3.	STAT-5128	Statistical Techniques for Development Studies-I	3(3-0)	Nil
4.	STAT-5129	Statistical Techniques for Development Studies-II	3(3-0)	Nil
<b>Interdisciplinary Courses Credit Hours Total</b>			<b>12</b>	

**7. Field experience/internship: Minimum 03 credit hours:**

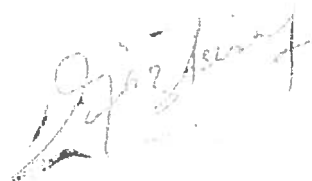
*Lasting 6-8 weeks and ideally scheduled after/during summer breaks after 4<sup>th</sup> semester.*

1.	DEVS-5132	Internship/Research Project and Report Writing	3(0-3)	Nil
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**8. Capstone project: Minimum 03 credit hours:**

*This project, after the sixth semester, requires faculty supervision and evaluation following department guidelines*

1.	DEVS-5131	Capstone project	3(0-3)	Nil
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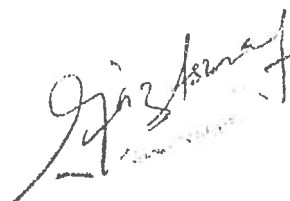
### Semester-Wise Breakup

#### Semester-I

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
GE-1	URCG-5118	Functional English	3(3-0)	Nil
GE-2	URCG-5105 URCG-5126	Islamic Studies (OR) Ethics	2(2-0)	Nil
GE-3	URCG-5123	Applications of Information and Communication Technologies (ICT)	3(2-1)	Nil
Major	DEVS-5101	Introduction to Development Studies	3(3-0)	Nil
Major	DEVS-5102	Socio-Economic Development of Pakistan	3(3-0)	Nil
Major	DEVS-5103	History and Philosophy of Development	3(3-0)	Nil
IDC	AGRE-6110	Management of Natural Resources	3(3-0)	Nil
		<b>Total</b>	<b>20</b>	

#### Semester-II

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
GE-4	URCG-5112	Fables, Wisdom Literature, and Epic	2(2-0)	Nil
GE-5	URCG-5116	Science of Society-I	2(2-0)	Nil
GE-6	URCG-5120	Exploring Quantitative Skills	3(3-0)	Nil
GE-7	URCG-5127	Seerat of the Holy Prophet (SAW)	1(1-0)	Nil
Major	DEVS-5104	Issues and Perspectives of Rural Development	3(3-0)	Nil
Major	DEVS-5105	Public Policy and Governance	3(3-0)	Nil
Major	DEVS-5106	Poverty, Livelihood and Development	3(3-0)	Nil
IDC	AGRE-6116	Environment and Sustainable Development	3(3-0)	Nil
	URCG-5111	Translation of the Holy Quran – I	Non-Credit	
		<b>Total</b>	<b>20</b>	



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**Semester-III**

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
GE-8	URCG-5119	Expository Writing	3(3-0)	Nil
GE-9	URCG-5121	Tools for Quantitative Reasoning	3(3-0)	Nil
GE-10	URCG-5122	Ideology and Constitution of Pakistan	2(2-0)	Nil
IDC	STAT-5128	Statistical Techniques for Development Studies-I	3(3-0)	Nil
Major	DEVS-5107	Environment and Development	3(3-0)	Nil
Major	DEVS-5108	Local Government System and Rural Development	3(3-0)	Nil
Major	DEVS-5109	Community Development Issues and Strategies	3(3-0)	Nil
<b>Total</b>			<b>20</b>	

**Semester-IV**

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
GE-11	URCG-5115	The Science of Global Challenges	3(2-1)	Nil
GE-12	URCG-5124	Entrepreneurship	2(2-0)	Nil
GE-13	URCG-5125	Civics and Community Engagement	2(2-0)	Nil
GE-14	URCG-5128	Pakistan Studies	2(2-0)	Nil
Major	DEVS-5110	Development Theories and Practices	3(3-0)	Nil
Major	DEVS-5111	Communication for Development	3(3-0)	Nil
Major	DEVS-5112	Introduction to Development Economics	3(3-0)	Nil
Major	DEVS-5113	Anthropology	3(3-0)	Nil
	URCG-5111	Translation of the Holy Quran – II	Non-Credit	Nil
<b>Total</b>			<b>21</b>	

**Semester-V**

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
Major	DEVS-5114	Development Project Planning & Management	3(3-0)	Nil
Major	DEVS-5115	Leadership and Management Skills	3(3-0)	Nil
Major	DEVS-5116	Microfinance and Poverty Reduction Strategies	3(3-0)	Nil
Major	DEVS-5117	Political Economy & Development	3(3-0)	Nil
Major	DEVS-5118	Natural Resources & Sustainable Development	3(3-0)	Nil
IDC	STAT-5129	Statistical Techniques for Development Studies-II	3(3-0)	Nil
<b>Total</b>			<b>18</b>	

**Semester-VI**

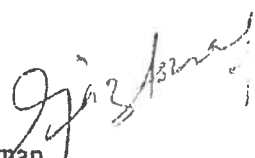
Category	Course Code	Course Title	Credit Hours	Pre-Requisite
Major	DEVS-5119	Research Methods in Development Studies	3(2-1)	Nil
Major	DEVS-5120	Disaster Management and Development	3(3-0)	Nil
Major	DEVS-5121	Development and Governing Issues in Developing Countries	3(3-0)	Nil
Major	DEVS-5122	Non-Governmental Organizations and Development	3(3-0)	Nil
Major	DEVS-5123	Rural-Urban Divide and Development	3(3-0)	Nil
Major	DEVS-5124	Human Resource Management	3(3-0)	Nil
	URCG-5111	Translation of Holy Quran-III	Non-Credit	Nil
		<b>Total</b>	<b>18</b>	

**Semester-VII**

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
Major	DEVS-5125	Gender and Development	3(3-0)	Nil
Major	DEVS-5126	Religion, Politics and Development	3(3-0)	Nil
Major	DEVS-5127	Spatial Techniques for Development Studies	3(3-0)	Nil
Major	DEVS-5128	Agrarian Reforms and Rural Development	3(3-0)	Nil
Major	DEVS-5129	Structure and Issues of Rural Economy	3(3-0)	Nil
Major	DEVS-5130	Technical and Scientific Report Writing	3(2-1)	Nil
	URCG-5111	Translation of Holy Quran-IV	Non-Credit	Nil
		<b>Total</b>	<b>18</b>	

**Semester-VIII**

Category	Course Code	Course Title	Credit Hours	Pre-Requisite
Major	DEVS-5131	Capstone Project	3(0-3)	Nil
Major	DEVS-5132	Internship/Research Project and Report Writing	3(0-3)	Nil
		<b>Total</b>	<b>6</b>	

  
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## COURSE DETAILS

### SEMESTER-I

URCG-5118

Functional English

3(3-0)

The course aims at providing understanding of a writer's goal of writing (i.e. clear, organized and effective content and to use that understanding and awareness for academic reading and writing. The objectives of the course are to make the students acquire and master the grammatical academic writingskills. The course would enable the students to develop argumentative writing techniques. The students would be able to logically add specific details on the topics such as facts, examples and statistical or numerical values. The course will also provide insight to convey the knowledge and ideas in an objective and persuasive manner. Furthermore, the course will also enhance the students' understanding of ethical considerations in writing academic assignments and topics including citation, plagiarism, formatting and referencing the sources as well as the technical aspects involved in referencing.

#### **Contents**

1. Developing Analytical Skills
2. Transitional devices (word, phrase and expressions)
3. Development of ideas in writing
4. Reading Comprehension
5. Precis Writing
6. Developing argument
7. Sentence structure: Accuracy, variation, appropriateness, and conciseness
8. Appropriate use of active and passive voice
9. Organization and Structure of a Paragraph
10. Organization and structure of Essay
11. Types of Essays

#### **Recommended Texts**

1. Bailey, S. (2011). *Academic writing: A handbook for international students* (3rd ed.). New York: Routledge.
2. Eastwood, J. (2011). *A Basic English grammar*. Oxford: Oxford University Press.
3. Swales, J. M., & Feak, C. B. (2012). *Academic writing for graduate students: Essential tasks and skills* (3<sup>rd</sup> ed.). Ann Arbor: The University of Michigan Press.
4. Swan, M. (2018). *Practical English usage* (8<sup>th</sup> ed.). Oxford: Oxford University Press.

#### **Suggested Readings**

1. Biber, D., Johansson, S., Leech, G., Conrad, S., Finegan, E., & Quirk, R. (1999). *Longman grammar of spoken and written English*. Harlow Essex: MIT Press.
2. Cresswell, G. (2004). *Writing for academic success*. London: SAGE.
3. Johnson-Sheehan, R. (2019). *Writing today*. Don Mills: Pearson.
4. Silvia, P. J. (2019). *How to write a lot: A practical guide to productive academic writing*. Washington: American Psychological Association
5. Thomson, A. J., & Martinet, A. V. (1986). *A Practical English Grammar*. Oxford: Oxford University Press

*Introductory/compulsory foundation course*

Islamic Studies engages in the study of Islam as a textual tradition inscribed in the fundamental sources of Islam; Qur'aan and Hadith, history and particular cultural contexts. The area seeks to provide an introduction to and a specialization in Islam through a large variety of expressions (literary, poetic, social, and political) and through a variety of methods (literary criticism, hermeneutics, history, sociology, and anthropology). It offers opportunities to get fully introductory foundational basis of Islam in fields that include Qur'aanic studies, Hadith and Seerah of Prophet Muhammad (PBUH), Islamic philosophy, and Islamic law, culture and theology through the textual study of Qur'aan and Sunnah.

- To make students understand the relevance and pragmatic significance of Islam in their lives.
- To make learners comprehend the true spirit of Islam with reference to modern world.
- To generate a sense of Islamic principles as a code of living that guarantee the effective solutions to the current challenges of being.
- To provide Basic information about Islamic Studies
- To enhance understanding of the students regarding Islamic Civilization
- To improve Students skill to perform prayers and other worships
- To enhance the skill of the students for understanding the issues related to faith and religious life.

*Contents*

1. Introduction to Qur'aanic Studies	تعارف قرآن مجید
1) Basic Concepts of Qur'aan	قرآن مجید کا بنیادی تعارف
2) History of the compilation of Qur'aa	تاریخ جمع و تدوین قرآن مجید
3) Uloom-ul-Qur'aan	علوم القرآن

مطالعہ قرآن (تعارف قرآن مجید، منتخب آیات کا ترجمہ و تفسیر: سورۃ البقرہ آیات 1-5، 284-286؛ سورۃ الحجرات آیات 1-18؛ سورۃ الفرقان آیات 63-77؛ سورۃ المؤمنون آیات 1-11؛ سورۃ الاحزاب آیات 6، 21، 32-33، 40، 56-59؛ سورۃ الانعام آیات 151-153؛ سورۃ الصف آیات 1-14؛ الحشر آیات 18-20؛ آل عمران آیات 190-192؛ النحل آیات 12-14؛ لقمن آیت 20، حم السجدہ آیت 53

2. Introduction to Hadith	تعارف حدیث
1) Legal Status of Hadith	حدیث کی قانونی حیثیت
2) History of the compilation of Hadith	تاریخ جمع و تدوین حدیث
3) Classifications of Hadith	حدیث کی اقسام

متن، حدیث: 1 اور جن ذیل موضوعات پر اجازت کا مطالعہ

- 1- اعمال کا اجریت پر منحصر ہے۔ 2- بہترین انسان قرآن کا طالب علم اور اس کا معلم ہے۔ 3- کتاب و سنت گمراہی سے بچنے کا ذریعہ ہیں 4- ارکان اسلام 5- اسلام، ایمان، احسان اور قیامت کی نشانیاں، 6- بچوں کو نماز کی تلقین 7- دین کا گہرا فہم اللہ کی خاص عنایت ہے 8- حصول علم، تلاوت قرآن اور عمل کی اہمیت و فضیلت، 9- روزِ محشر میں ہونے والا محاسبہ، 10- حقوق اللہ کے ساتھ ساتھ حقوق العباد کا لحاظ رکھنا بھی لازم ہے 11- حسن خلق کی عظمت اور نفس و بد گوئی کی مذمت 12- دنیا و آخرت کی بھلائی کی ضامن چار چیزیں، 13- ہلاک کر دینے والی سات چیزیں، 14- بے عمل مبلغ کا عبرت ناک انجام 15- ہر شخص نگران ہے اور ہر شخص مسئول

### 3. Sirah of the Prophet (PBUH)

سیرت النبی ﷺ

#### 1. Significance of Seerah Studies

مطالعہ سیرت کی ضرورت و اہمیت

#### 2. Prophetic principles of Character building

تعمیر سیرت و شخصیت کا نبوی منہاج

اقامت دین کا نبوی طریق کار، اقامت دین بعدِ خلافت راشدہ، بیطاق مدینہ، خطبہ جمعہ الوداع، اخلاقی تعلیمات، تشکیل اجتماعیت اور اسوہ حسنہ، قرآن مجید میں سیرت سرور عالم کا بیان، غزوات نبوی ﷺ کے مقاصد و حکمتیں

### 4. Islamic Culture & Civilization

اسلامی تہذیب و تمدن

#### 1) Basic Concepts of Islamic Civilization

اسلامی تہذیب کا مفہوم

#### 2) Historical evaluation of Islamic Civilization

اسلامی تہذیب کا تاریخی ارتقاء

#### 3) Salient feature of Islamic Civilization

اسلامی تہذیب کی نمایاں خصوصیات

#### 4) Islamic Civilization and Contemporary Issues

اسلامی تہذیب و تمدن اور معاصر مسائل

اسلامی تہذیب کے عوامل و عناصر، اسلامی تہذیب کے علمی، معاشرتی اور سماجی اثرات، تہذیبوں کے تصادم کے نظریے کا تنقیدی جائزہ، تہذیبی تصادم کے اثرات و نتائج، طبی، حیاتیاتی اور معاشرتی علوم میں مسلمانوں کا کردار، نامور مسلمان سائنسدان

*Pre-Requisite: Nil*

#### *Recommended Books*

- 1) Hameed ullah Muhammad, —Emergence of Islam, IRI, Islamabad
- 2) Hameed ullah Muhammad, —Muslim Conduct of State
- 3) Hameed ullah Muhammad, —Introduction to Islam
- 4) Ahmad Hasan, —Principles of Islamic Jurisprudence, Islamic Research Institute, International Islamic University, Islamabad (1993)
- 5) Dr. Muhammad Zia-ul-Haq, —Introduction to Al Sharia Al Islamia, Allama Iqbal Open University, Islamabad (2001)
- 6) Dr. Muhammad Shahbaz Manj, Teleemat-e- Islam

1. Meaning and Scope of Ethics.
2. Relation of Ethics with:
  - (a) Religion
  - (b) Science
  - (c) Law
3. Historical Development of Morality:
  - (a). Instinctive Moral Life.
  - (b). Customary Morality.(c). Reflective Morality.
4. Moral Theories:
  - (a). Hedonism (Mill) (b). Intuitionism (Butler)
  - (c). Kant's Moral Theory.
5. Moral Ethics and Society.
  - (a). Freedom and Responsibility.(b). Tolerance
  - (c). Justice
  - (d). Punishment (Theories of Punishment)
6. Moral Teachings of Major Religions:
  - a). Judaism
  - b). Christianity). Islam
7. Professional Ethics:
  - a). Medical Ethics b). Ethics of Students
  - c). Ethics of Teachersd). Business Ethics

**Reference Books:**

1. William Lille. An Introduction to Ethics., London Methuen & Co. latest edition.
2. Titus, H.H. Ethics for Today. New York: American Book, latest edition.
3. Hill, Thomas. Ethics in Theory and Practice. N.Y. Thomas Y. Crowel, latest edition
4. Ameer Ali, S. The Ethics of Islam. Culcutta: Noor Library Publishers, latest edition
5. Donaldson, D.M. Studies in Muslim Ethics. London: latest edition. 6. Sayeed, S.M.A.(Tr.) Ta'aruf-e-Akhlaqiat. Karachi: BCC&T, Karachi University of

The course introduces students to information and communication technologies and their application in the workplace. Objectives include basic understanding of computer software, hardware, and associated technologies. How computers can be used in the workplace, how communications systems can help boost productivity, and how the Internet technologies can influence the workplace. Students will get basic understanding of computer software, hardware, and associated technologies. They will also learn how computers are used in the workplace, how communications systems can help to boost productivity, and how the Internet technologies can influence the workplace.

**Contents**

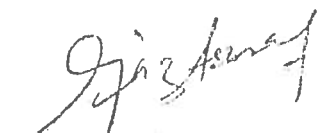
1. Introduction, Overview of Information Technology.
2. Hardware: Computer Systems & Components, Storage Devices.
3. Software: Operating Systems, Programming and Application Software.
4. Databases and Information Systems Networks.
5. File Processing Versus Database Management Systems.
6. Data Communication and Networks.
7. Physical Transmission Media & Wireless Transmission Media.
8. Applications of smart phone and usage.
9. The Internet, Browsers and Search Engines.
10. Websites and their types.
11. Email Collaborative Computing and Social Networking.
12. E-Commerce.
13. IT Security and other issues.
14. Cyber Laws and Ethics of using Social media.
15. Use of Microsoft Office tools (Word, Power Point, Excel) or other similar tools depending on the operating system.
16. Other IT tools/software specific to field of study of the students if any.

**Recommended Book**

1. Discovering Computers 2022: Digital Technology, Data and Devices by Misty E. Vermaat, Susan L. sebok; 17<sup>th</sup> edition.

**Suggested Books**

1. Computing Essentials 2021 by Timothy J. O'Leary and Linda I. O'Leary, McGraw Hill Higher Education; 26<sup>th</sup> edition.
2. Computers: Understanding Technology by Fuller, Floyd; Larson, Brian: edition 2018.

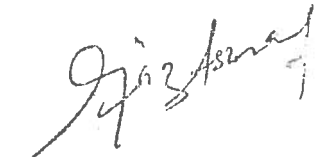
  
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

1. Various definitions and concepts of development
2. History of development
3. Development process & measures of development
4. Social and economic development
5. Development a-modernization
6. Political economy and development
7. Methods/techniques of development
8. Empowering rural society
9. Development strategies
10. Theories of development
11. State and non-state role in development process

**Suggested Books:**

1. Bhagwati, J., 2004. In defense of globalization, Oxford University Press.
2. Craig, D. and Porter, D., 2006. Development beyond neoliberalism: governance, poverty reduction, and political economy, Routledge.
3. Sen, A., 2001. Development as freedom, Oxford University Press.
4. Bornstein, E., 2005. The Spirit of Development: Protestant NGOs, Morality, and Economics in Zimbabwe: Stanford University Press.
5. Thomas, Alan 2000. Meanings and Views of Development,' in Poverty and Development into the 21st Century, Tim Allen and Alan Thomas (eds.), Oxford: Oxford University Press.
6. Rist, Gilbert 2008. Definitions of Development,' in The History of Development, London: Zed Books.



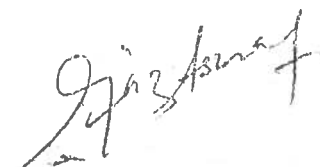
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

Socio-economic development of Pakistan and its challenges, development and growth, progress and civilization, participatory development, economic problems of Pakistan, technical change, technical efficiency and their impact on input demand in the agricultural and manufacturing sector of Pakistan, determinants of rural poverty in Pakistan, analysis of rural poverty foreign aid and human persons development, political economy of growth in Pakistan, development through self-reliance at local level, managing Pakistan's population for sustainable development. Impact of population growth on development in the global context as well as with respect to Pakistan. Defining demography, its scope, importance and the major global trends in population growth. Determinants of fertility, mortality and migration. Age and sex composition, population determinants, Population distribution, population utilization, population control measures, Rural and urban settlements and measurement of urbanization are addressed in different economic and political developmental contexts. Population and quality of life. Human resources as the interface between population trends and other aspects of development.

**Suggested books:**

1. Myrdal, G. (1968). Asian drama: An inquiry into the poverty of nations. 3, 1531 – 2284.
2. Pollard, A. H., Yusuf, F. & Pollard, G. N. (1981). Demographic Techniques (2nd Ed). New York: Sydney Pergamon Press,
3. Todaro, M. P. & Smith, S. C. (2012). Economic Development (12th Ed). Washington, USA: Pearson Education Limited.
4. Thomson, W. A. and D. T. Lewis (1965). Population Problems. New York, McGraw—Hill. Research papers, reports, dissertations etc.
5. United Nations, The Determinants and Consequences of Population Trends. New York.



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**Contents:**

Historical aspects of development, understanding development (philosophy & concepts of development, perspectives of development, theories of development), Alternative concepts of development (Human development, Sustainable development, Economic development, Political and social development), approaches followed by public, private and non-governmental sector in development work, Concepts of cultural analysis (Define culture, Cultural evolution, Social progress, Modernization), Philosophy of Development (Relevance of the idea of a philosophy of development, Philosophy and some development issues, Philosophy and human development)

**Suggested Books:**

1. Campbell, E (2011) 19<sup>th</sup> Century Philosophy. New York: Barnes and noble books
2. Rashid, H. (2017). Karl Marx's Philosophy and its Relevance Today, Philosophy and Progress.
3. Tadaro, M.P & Smith. S.C. (2006) Economic Development. 9<sup>th</sup> edition. Harlow: Pearson Addison Wesley.
4. Castells, M. (2010) The information Age: Economy, Society, and Culture, second edition Oxford: Wiley-Black well.
5. Almond, G. A. (1965) "A Development Approach to Political Systems". World Politics , Vol. 17, no.1.

  
Chairman

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College of Agriculture University of Sargodha

Page 10

The course provides the students theoretical knowledge regarding natural resource management and economic concepts associated with its management. This course will help students in preparation of sustainable approaches for the proper utilization of natural resources and pricing regarding economic and optimal use of resources available. The key /outcomes of this course are to introduces the students with basic concept of natural resources and its proper handling and to aware the students about concept of socially optimal resource use and their evaluation.

#### Contents

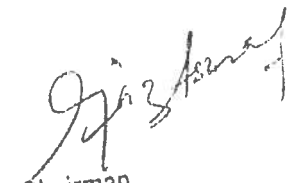
1. Concepts of natural resources
2. Optimal use of renewable and nonrenewable resources
3. Issues related to natural resources (soil, water, forest, fisheries and environment)
4. Resource scarcity, prices, demand and supply of natural resources
5. Market equilibrium
6. Economic efficiency
7. Inter-temporal efficiency
8. Property rights
9. The economics of pollution
10. Natural resource exploitation
11. Economic approaches to conservation of natural resources
12. Benefit cost analysis.

#### Recommended Texts

1. Bergstrom, J.C. & Randall, A. (2010). *Resource Economics- An Economic Approach to Natural Resource and Environmental Policy*, New York: Edward Elgar Publishing.
2. Tietenberg, T. & Lewis, L. (2013). *Environmental and natural resource economics*, 9th Edition. Prentice Hall Publisher.

#### Suggested Readings

1. Ashfaq, M., Griffith, G., & Hussain, I. (2009). *Economics of Water Resources in Pakistan*, Pakistan: Pak TM Publishers.
2. Common, M., Perman, D. R., Ma, D. Y., Maddison, D. D., &Mcgilvray D. J. (2011). *Natural Resource and Environmental Economics*, 4<sup>th</sup> Edition. Longman Lt: Addison Wesley.

  
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## SEMESTER-II

URCG-5112

Fables, Wisdom Literature, and Epic

2(2-0)

The course will enable students to explore human experiences, cultivate an appreciation of the past, enrich their capacity to participate in the life of their times, and enable an engagement with other cultures and civilizations, both ancient and modern. But independently of any specific application, the study of these subjects teaches understanding and delight in the highest achievements of humanity. The three components of the course, including fables, wisdom literature and epic, will enable the learners to explore and understand the classic tradition in literature. Development of personal virtue, a deep Sufi ethic and an unwavering concern for the permanent over the fleeting and the ephemeral are some of the key themes explored in the contents that will develop an intimate connection between literature and life.

### *Contents*

1. Fables

The Fables of Bidpai  
The Lion and the Bull  
The Ring-dove  
The Owls and the Crows

Selected poem from Bang-i-Dara

2. Gulistan-e- Sa'di

Ten hikāyāt from John T. Platts, *The Gulistan*

3. Epic

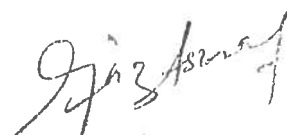
THE SHĀHNĀMA OF FIRDAUSI

### *Recommended Texts*

1. John T. P. (1876). *The Gulistan; or, Rose Garden of Shaikh Muslihu'd- Dīn Sa'dī of Shīrāz*. London: Wm. II. Allen.
2. Chishti, Y.S. (1991). *Sharaḥ-i bāng-i darā*. Lāhaur: Maktaba-i ta'mīr-i insāniyat

### *Suggested Readings*

1. Thackston, W. (2000). *A Millennium of Classical Persian Poetry*. Maryland: Ibex Publishers.
2. Wood, R. (2013). *Kalila and Dimna: Fables of Conflict and Intrigue*. United Kingdom: Medina Publishing, Limited.

  
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This course will introduce students with the subject matter of social science, its scope, nature and ways of looking at social phenomenon. It will make the participants acquaintance with the foundations of modern society, state, law, knowledge and selfhood. While retaining a focus on Pakistani state and society, students will encounter theoretical concepts and methods from numerous social science disciplines, including sociology, politics, economics anthropology and psychology and make them learn to think theoretically by drawing on examples and case studies from our own social context. Students will be introduced to the works of prominent social theorists from both western and non-western contexts. Instruction will include the use of written texts, audio-visual aids and field visits. **Learning Outcomes:** The course has following outcomes: It will

- Introduce student with the nature of human social behavior and foundations of human group life
- Analyze the reciprocal relationship between individuals and society.
- Make student aware with the nature of societies existing in modern world
- Make students familiar with the philosophy of knowledge of social sciences
- Introduce students with the works of prominent theories explain human group behavior
- Help students to understand the foundations of society including culture, socialization, politics and economy
- Introduce students with various dimensions of social inequalities with reference to gender, race, ethnicity and religion
- Make them aware about the understanding of various themes pertains to social science in local context
- Help them recognize the difference between objective identification of empirical facts, and subjective formulation of opinionated arguments

#### Course Outlines:

##### 1. Introduction to Social Sciences

- Social world, Human Social behavior, Foundations of society
- Evolution of Social sciences
- Philosophy of Science
- Scope and nature of social sciences
- Modernity and social sciences
- Branches of social science: Sociology, Anthropology, Political Science, Economics

##### Society and Community, Historical evolution of Society

- Types of Societies
- Foraging society, Horticultural society, Pastoralist society
- Agrarian societies, Industrial society, Postindustrial society

##### 2. Philosophy of Knowledge in social Science and social inquiry

- Understanding social phenomenon
- Alternative ways of knowing
- Science as a source to explore social reality
- Objectivity, Value-Free research
- Positivism vs Interpretivism
- Qualitative vs Quantitative

##### 3. Culture and Society

- Idea of Culture, Assumptions of Culture

- Types, Components, Civilization and culture
  - Individual and culture. Cultural Ethnocentrism, Cultural Relativism
  - Outlook of Pakistani culture
  - Global Flows of culture, Homogeneity, Heterogeneity
- 4. Social Stratification and Social inequality**
- Dimensions of inequality, Social class
  - Gender, Race, Religion, Ethnicity, Caste
  - Patterns of social stratification in Pakistan
  - Class, caste system in agrarian society
  - Ascription vs Achievement, Meritocracy
  - Global stratification in modern world, Global patterns of inequality
- 5. Personality, Self and Socialization**
- Concept of self, Personality
  - Nature vs Nurture, Biological vs Social
  - Development of Personality
  - Socialization as a process, Agents of socialization
  - Socialization and self/group identity
- 6. Gender and Power**
- Understanding Gender
  - Social construction of Patriarchy
  - Feminism in Historical context, Gender Debates
  - Gender and Development
  - Gender issues in Pakistani society, Women Participation in politics, economy and education
  - Toward a gender sensitive society, Gender mainstreaming
- Pakistan: State, Society, Economy and Polity**
- Colonialism, colonial legacy, National identity
  - Transformation in Pakistani society: Traditionalism vs Modernism
  - Economy, Informality of Economy, Modern economy and Pakistan
  - Political Economy, Sociology of Economy

**Recommended Textbooks and Reading Materials:**

1. Giddens, A. (2018). Sociology (11<sup>th</sup> ed.). UK: Polity Press.
2. Henslin, J. M. (2018). Essentials of Sociology: A Down-to-Earth Approach.(18<sup>th</sup> Edition) Pearson Publisher.
3. Macionis, J. J. (2016). Sociology (16<sup>th</sup> ed.). New Jersey: Prentice-Hall.
4. Qadeer, M. (2006) Pakistan - Social and Cultural Transformation in a Muslim Nation.
5. Smelser, N.J. and Swedburg, R., The Handbook of Economic Sociology, Chapter 1 'Introducing Economic Sociology', Princeton University Press, Princeton.
6. Systems of Stratification | Boundless Sociology (no date). Available at: <https://courses.lumenlearning.com/boundless-sociology/chapter/systems-of-stratification/>
7. Jalal, A. (ed.) (1995) 'The colonial legacy in India and Pakistan', in Democracy and Authoritarianism in South Asia: A Comparative and Historical Perspective. Cambridge: Cambridge University Press (Contemporary South Asia)
8. Zaidi, S. A. (2015) Issues in Pakistan's Economy: A Political Economy Perspective. Oxford University Press. Chapter 26
9. Akhtar, A. S. (2017) The Politics of Common Sense: State, Society and Culture in Pakistan. Cambridge: Cambridge University Press.
10. Smelser, N.J. and Swedburg, R., The Handbook of Economic Sociology, Chapter 1 'Introducing Economic Sociology', Princeton University Press, Princeton.

Since ancient times, numbers, quantification, statistics and mathematics has played a central role in scientific and technological development. In the 21st century, Quantitative Reasoning (QR) skills are essential for life as they help to better understand socio-economic, political, health, education, and many other issues, an individual now faces in daily life. The skills acquired by taking this course will help the students to apply QR methods in their daily life and professional activities. This course will also change student's attitude about statistics and mathematics. It will not only polish their QR skills, but also enhance their abilities to apply these skills.

### Contents

1. Introduction to quantitative reasoning
2. Overview of contributions of Mathematicians and Statisticians especially Muslim scholars.
3. Types of standard numbers
4. Proportions, rates, ratio and percentages
5. Odds and odds ratio
6. Scale of measurements
7. Number sequence and series
8. Unit analysis as a problem-solving tool
9. Data handling (small and large)
10. Data errors, absolute and relative and their applications
11. Descriptive statistics
12. Rules of counting: multiplication rule, factorial, permutation and combination
13. Probability and its application in real life
14. A graphical perspective through Venn Diagram
15. Financial indicator analysis, and money management (profit, loss, simple and compound interest)
16. Practical scenarios involving algebraic expressions: linear and quadratic

### Recommended Texts

1. Akar, G. K., Zembat, İ. Ö., Arslan, S., & Thompson, P. W. (2023). *Quantitative Reasoning in Mathematics and Science Education*. 1<sup>st</sup> Ed., Springer, USA.
2. Peck, R., Olsen, C., & Devore, J. L. (2015). *Introduction to statistics and data analysis*. 5<sup>th</sup> Ed., Brooks Cole, USA.
3. Devlin, K. J. (2012). *Introduction to mathematical thinking*. Palo Alto, CA: Keith Devlin.

### Suggested Readings

1. Triola, M. F., Goodman, W. M., Law, R., & Labute, G. (2006). *Elementary statistics*. Reading, MA: Pearson/Addison-Wesley.
2. Blitzer, R., & White, J. (2005). *Thinking mathematically*. Pearson Prentice Hall.

## مطالعہ سیرت النبی صلی اللہ علیہ وسلم Seerat of the Holy Prophet

Course Code

URCG-5127

Title	Description
Semester	
Nature of Course	
No. of C.Hrs.	1(1-0)
Total Teaching weeks	18
Objectives of the Course	<p>۱۔ طلبہ کو مطالعہ سیرتِ نبویہ کی ضرورت و اہمیت سے آگاہ کرنا  ۲۔ تفسیر شخصیت میں مطالعہ سیرتِ نبویہ کے کردار کو واضح کرنا  ۳۔ بیعتِ نبویہ کے موقع پر اقوامِ عالم کی عمومی صورت حال سے آگاہ کرنا  ۴۔ رسول اکرم صلی اللہ علیہ وسلم کی اور دینی زندگی کا اس طرح مطالعہ کرنا کہ طلبہ ان واقعات سے متاثر ہو کر اپنی زندگی میں  ۵۔ طلبہ کو محمد نبوی کی معاشرت، سیاست، معیشت سے آگاہ کرنا</p>

## Course Description

S.No.	Title	Description
1	حضور صلی اللہ علیہ وسلم کے ابتدائی حالات و زندگی	۱۔ حضور صلی اللہ علیہ وسلم کا تہذیبی و نسبی و نسب ۲۔ پیدا ہونے کا زمانہ و ابتدائی تربیت ۳۔ لوگوں اور جناتی کے حالات و زندگی
2	بیعتِ نبویہ کے وقت و جگہ کے حالات (۱)	۱۔ بیعتِ نبویہ کے وقت اہم جز ہیں ۲۔ عرب، مصر، حبشہ، یمن، فلسطین، ساسانی
3	بیعتِ نبویہ	۱۔ ان کی حدیثیں و دعوتِ اسلام
4	بیعتِ نبویہ	۱۔ دینی حدیثیں و دعوتِ اسلام
5	مخاصص النبیؐ	آپ کی خصوصیات و اہمیت
6	مخاصص النبیؐ	بیعتِ استنباب و اعلم
7	مخاصص النبیؐ	بیعتِ تاجر
8	مخاصص النبیؐ	بیعتِ سریر اور سیاست
9	مخاصص النبیؐ	اولیٰ مہاجرین اور مہاجرین کی اخراجات

10	مخاصن النبی	ناموس و رسالت
11	اسوحتہ اور عصر حاضر	غیر مسلموں سے تعلقات
12	اسوحتہ اور عصر حاضر	اسوحتہ کی روشنی میں گھریلا زندگی
13	اسوحتہ اور عصر حاضر	مستشرقین اور مطالعہ ہجرت
15	اسوحتہ اور عصر حاضر	وطن سے محبت اور ہجرت
16	اسوحتہ اور عصر حاضر	مستشرقین کے اعتراضات اور ان کے جوابات

#### نصابی کتب

نمبر شمار	نام مؤلف	نام کتاب
1	ابن ہشام	السیرة النبویة
2	مولانا شبلی نعمانی صیبر سلیمان بھڑوی	سیرت النبی صلی اللہ علیہ وسلم
3	قاضی محمد سلیمان سلیمان منصور بھڑوی	رحمۃ اللعالمین
4	مولانا سید امین حسن علی بھڑوی	نبی رحمت صلی اللہ علیہ وسلم
5	ڈاکٹر حسین مظہر مدنی	مہدی نبوی کا نظام حکومت
6	ڈاکٹر خالد علی	الاسیۃ النبی

#### حوالہ جاتی کتب

نمبر شمار	نام مؤلف	نام کتاب
1	سید ابوالاعلیٰ مودودی	سیرت سرور عالم صلی اللہ علیہ وسلم
2	مولانا مفتی ارشد حسین سید بھڑوی	الاربعین الختم
3	سید محمد کرم شاہ اڈھری	شیخہ ماجلی صلی اللہ علیہ وسلم
4	ڈاکٹر اکرم اللہ صدیقی	السیرة النبویة المصححة
5	مولانا عبدالرؤف دانا بھڑوی	اصح اصیبر

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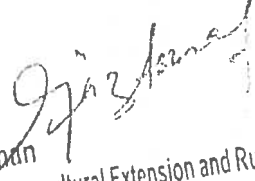
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 Chairman  
 Dept. of Agricultural Extension and Rural Studies  
 College of Agriculture, University of Sargodha  
 Sargodha

**Contents:**

Interpretation of the Rural Development Problem, Defining Rural Development and its rational, rural development process and its elements, current issues of rural development around the globe especially developing countries special focus on Pakistan, indicators of rural development, approaches to rural Development, Integrated rural development, Rural Development Policy and its evolution, rural development paradigms in Pakistan, current rural development policy in Pakistan, current rural development practices, participatory rural planning and development, local partnerships for rural development.

**Suggested Books:**

1. M. Behnassi et al. 2011. (eds.). Global Food Insecurity: Rethinking Agricultural and Rural Development Paradigm and Policy. Springer Science + Business Media.
2. Adisa, R.S. 2012. Rural development in the 21<sup>st</sup> century as a global necessity. In Rural Development – contemporary issues and practices. InTech publishers, Rijeka, Croatia.
3. McAreavey, R. 2009. Rural Development Theory and Practice. Taylor and Francis Publishers.
4. Singh, K. 2009. Rural Development: Principles, Policies, and Management. SAGE Publications.
5. Crush, J. 2005. Power of Development. Routledge Publishers.

  
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**Contents:**

Basic concepts, process, theories and function of governance and key actors. Public policy and its process, global context of Pakistan's public policy based on the society-centered theories, institutions and state-centered theories. Processes of governance; theories and principles of improving governance and democracy; impact of globalization on global governance; institutional reform; capacity building; accountability; public policy and policy making process in Pakistan; the character of the 16 Pakistan's welfare state and the main pillars of Pakistan's social policy; the global context of public policy in a manner that distinguishes between economic, political and culture dimensions of globalization; define 'explanatory theory'; liberal pluralism, elite theory, and class analysis; explaining and understanding public policy: state as an actor theory; institutional rational choice theory. Identify which theoretical perspective is being used when reading an article based on one of the state-centred perspectives on public policy.

**Suggested Books:**

1. Richards, D., & Smith, M. J. (2002). Governance and public policy in the United Kingdom. Oxford University Press.
2. Bogason, P. (2000). Public policy and local governance: Institutions in postmodern society.
3. Mok, K. H., & Forrest, R. (Eds.). (2008). Changing governance and public policy in East Asia. Routledge.
4. Hupe, P., & Hill, M. (2021). Implementing public policy: An introduction to the study of operational governance. *Implementing Public Policy*, 1-100.
5. Atkinson, M. M., Marchildon, G. P., Phillips, P. W., Rasmussen, K. A., Béland, D., & McNutt, K. (2013). Governance and public policy in Canada: A view from the provinces. University of Toronto Press.
6. Heinrich, C. J., & Lynn, L. E. (Eds.). (2000). Governance and performance: New perspectives. Georgetown University Press.

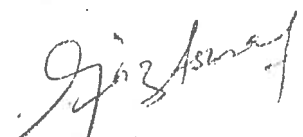
  
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College of Agriculture, University of Sargodha

**Contents:**

Poverty and livelihood, its causes, approaches to poverty reduction and livelihood improvement. The course includes definition and concepts of poverty; measurement; means and approaches; and causes of poverty. Focus is placed on the changing approaches to poverty and livelihood analysis, and the shifting focus on income or consumption-based measurements of poverty vulnerability and insecurity. Present approaches/strategies of FAO and World Vision to poverty reduction and livelihood improvement. It will focus on conceptual frameworks for understanding livelihoods relation to key issues in development planning; means and levels of livelihoods; effects on livelihoods under unfavorable conditions and livelihood diversifications.

**Suggested Books:**

1. Bass, S. (2013). *Reducing Poverty and sustaining the Environment*. UK: Earthscan.
2. Houghton, J. and Khandker, S. R. (2009). *Handbook on Poverty and Inequality*. Washington DC: World Bank Publications.
3. Setty, E. D. (2007). *Clinical Approach to Alleviation of Poverty*. New Delhi: Akansha Publishing House.
4. Todaro, M. P., and Smith, S. C. (2012). *Economic Development*. USA: Pearson Education Inc.
5. Townsend, P. (2014). *The International Analysis of Poverty*. Abingdon: Routledge Publishers.



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This course is designed to provide students with a comprehensive understanding of the complex relationship between human societies, the natural environment, and sustainable development. As we face unprecedented challenges such as climate change, loss of biodiversity, and environmental degradation, it has become increasingly important to develop strategies for achieving sustainable development. This course will explore the various social, economic, and environmental factors that contribute to sustainable development, as well as the policies and practices that can help to achieve it.

### *Contents*

1. Introduction to environmental science and sustainability
2. The history and evolution of sustainable development
3. Ecological systems and biodiversity
4. Climate change and global environmental challenges
5. Environmental ethics and values
6. Environmental policy and governance
7. Natural resource management and conservation
8. Sustainable energy and transportation systems
9. Sustainable urban planning and design
10. Sustainable business practices
11. Social equity and environmental justice
12. Community engagement and participation
13. International perspectives on sustainability and development

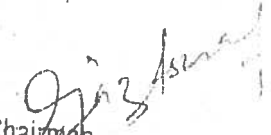
### *Recommended Text*

1. Berck, P. and G. Helfand. 2018. *Economics of the Environment*. Pearson Education, London, UK.
2. Bergstorm, J.C. and A. Randall. 2016. *Resource Economics- An Economic Approach to Natural Resources and Environmental Policy*. 4th Ed. Edward Elger Publishing, Massachusetts, USA.

### *Suggested Readings*

1. Callan, E.J. 2015. *Environmental Economics and Management: Theory, Policy, and Applications*. 6th Ed. Cengage Learning, Mason, USA.
2. Field, B.C. and M.K. Field. 2017. *Environmental Economics: An introduction*. 7th Ed. McGraw Hill, NY, USA.
3. Iqar A. K. 2018 (ed). *Developing Sustainable Agriculture in Pakistan*. 1st Ed. Taylor and Francis Inc. Boca Raton, Florida, USA.
4. Thampapillai, D. 2002. *Environmental Economics: Concepts, Methods, and Policies*. Oxford University Press, Melbourne, Australia.
5. Titenberg, T. and L. Lewis. 2018. *Environmental and Natural Resource Economics*. 11th Ed. Pearson Education, New Jersey, USA.
6. Verma, M. K. 2021. *Environment and Sustainable Development: Perspectives and Issues*. Taylor & Francis Limited, Oxfordshire, United Kingdom.

Topic	Details
Semester/Level	In some discipline 1 <sup>st</sup> semester and in some discipline 2 <sup>nd</sup> Semester/ ADP Program 1 <sup>st</sup> Year
Course Code	URCG-5111
Course Title	Translation of the Holy Quran – I
Credit Hours	Non-Credit
Objectives	<ul style="list-style-type: none"> <li>To familiarize the students to keys and fundamentals of recitation of the holy Quran.</li> <li>To develop the skill of the students of recitation the last revelation.</li> <li>Students will learn the basic Arabic grammar in a practical way.</li> <li>To develop an eagerness among the students to explore the last divine Book.</li> </ul>
Course Contents:	<ul style="list-style-type: none"> <li>نیہواں پارہ - ناظرہ مع تجوید</li> <li>بیزادی عربی گرامر</li> <li>اسم اور اسکے متعلقات : اسم ناعل ، مفعول ، منضول ، مبالغہ نیل</li> <li>اور اس کی اقسام : ماضی ، مضارع ، امر ، نہی</li> <li>حرف اور اس کی اقسام : حروف علت ، حروف جارہ ، مشبہ بالنیل</li> </ul>
Memorization:	نیہویں پارے کی آخری بیس سو روئیں ( حفظ مع ترجمہ )

  
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## SEMESTER-III

URCG- 5119

Expository Writing

3 (3-0)

This course prepares undergraduates to become successful writers and readers of English. The course helps students develop their fundamental language skills with a focus on writing so that they can gain the confidence to communicate in oral and written English outside the classroom. The course is divided into five units and takes a Project-based Learning approach. Unit themes target the development of 21<sup>st</sup> century skills and focus on self-reflection and active community engagement. The course completion will enable the students to develop communication skills as reflective and self-directed learners. They will be able to intellectually engage with different stages of writing process, and develop analytical and problem-solving skills to address various community-specific challenges.

### Contents

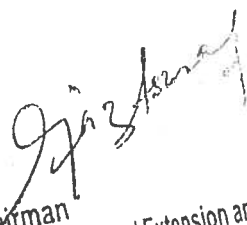
1. Self-Reflection
  - Introduction to the basics of the writing process
  - Introduction to the steps of essay writing
  - Prewriting activities: Brainstorming, listing, clustering and freewriting
  - Practicing Outlining of the essay
2. Personalized Learning
  - Learning Process, Learning Styles, Goal Setting and Learning Plan
3. Oral Presentation
  - Structure and Significance, Content Selection and Slide Presentation, Peer Review
4. Critical Reading Skills
  - Introducing Authentic Reading (Dawn and non-specialist academic books/texts)
  - Reading Strategies and Practice: Skimming, scanning, SQW3R, Annotating, Detailed reading and note-taking, Standard Test Practice: TOEFL and IELTS, Model Review Reports and Annotated Bibliographies
5. Community Engagement
  - Student-led brainstorming on local versus global issues, Identifying research problems
  - Drafting research questions, Drafting interview/survey questions for community research (in English or L1)
  - Engaging students in Critical reading, Presenting interview/ survey information, Field work
  - Writing Community Engagement Project
6. Letter to the Editor
  - Types of letters, Format and purpose of letter to the editor, Steps in writing letter-to-editor

### **Recommended Texts**

1. Bailey, S. (2011). *Academic writing: A handbook for international students* (3rd ed.). New York: Routledge.
2. Swales, J. M., & Feak, C. B. (2012). *Academic writing for graduate students: Essential tasks and skills* (3<sup>rd</sup> ed.). Ann Arbor: The University of Michigan Press.

### **Suggested Readings**

1. Cresswell, G. (2004). *Writing for academic success*. London: SAGE.
2. Johnson-Sheehan, R. (2019). *Writing today*. Don Mills: Pearson.
3. Silvia, P. J. (2019). *How to write a lot: A practical guide to productive academic writing*. Washington: American Psychological Association.

  
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This course is based on quantitative reasoning 1 course. It will enhance the quantitative reasoning skills learned in quantitative reasoning 1 course. Students will be introduced to more tools necessary for quantitative reasoning skills to live in the fast paced 21st century. Students will be introduced to importance of statistical and mathematical skills in different professional settings, social and natural sciences. These quantitative reasoning skills will help students to better participate in national and international issues like political and health issues. This course will prepare the students to apply quantitative reasoning tools more efficiently in their professional and daily life activities. This course will help them to better understand the information in form of numeric, graphs, tables, and functions.

### Contents

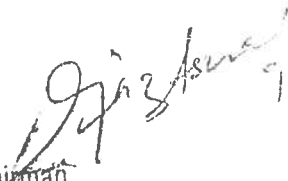
1. Types of data and its graphical representation (Histogram, Stem and Leaf display, Box Plot, Scatter diagram, Histogram, Bar chart, etc)
2. Solving practical problems using linear and exponential models
3. Population growth models
4. Analytical approach to solve simultaneous equations
5. Inequalities and their application
6. Comparing quantities using analytical tools
7. Logical reasoning and their application in modern age
8. Logical reasoning and decision making
9. Data tendencies via measure of location
10. Variability and Measure of dispersion
11. Measuring relationships via Regression analysis and correlation
12. Statistical inference: sampling techniques, estimation techniques and hypothesis testing for decision and policy making

### Recommended Texts

1. Akar, G. K., Zembat, İ. Ö., Arslan, S., & Thompson, P. W. (2023). *Quantitative Reasoning in Mathematics and Science Education*. 1<sup>st</sup> Ed., Springer, USA.
2. Sharma, A. K. (2005). *Text book of elementary statistics*. Discovery Publishing House.
3. Blitzer, R. (2014). *Precalculus*, 5<sup>th</sup> Ed.. Pearson Education, Limited. New York

### Suggested Readings

1. Gupta, S. C., & Kapoor, V. K. (2020). *Fundamentals of mathematical statistics*. 12<sup>th</sup> Ed, Sultan Chand & Sons.
2. Aufmann, R. N., Lockwood, J., Nation, R. D., & Clegg, D. K. (2007). *Mathematical thinking and quantitative reasoning*. Cengage Learning
3. Blitzer, R., & White, J. (2005). *Thinking mathematically*. Pearson Prentice Hall.

  
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**Course Description:**

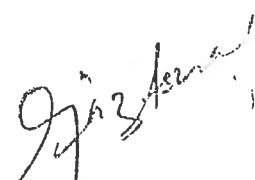
This course focuses on ideological background of Pakistan. The course is designed to give a comprehensive insight about the constitutional developments of Pakistan. Starting from the Government of India Act, 1935 till to date, all important events leading to constitutional developments in Pakistan will be the focus of course. Failure of the constitutional machinery and leading constitutional cases on the subject. Moreover, students will study the process of governance, national development, issues arising in the modern age and posing challenges to Pakistan. It will also cover the entire Constitution of Pakistan 1973. However, emphasis would be on the fundamental rights, the nature of federalism under the constitution, distribution of powers, the rights and various remedies, the supremacy of parliament and the independence of judiciary

**Outline:**

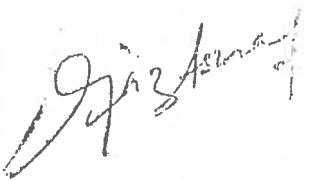
- **Ideology of Pakistan**
  - Ideological rationale with special reference to Sir Syed Ahmed Khan, Allama Muhammad Iqbal and Quaid-e-Azam Muhammad Ali Jinnah.
  - Two Nation Theory and Factors leading to Muslim separatism.
- **Constitutional Developments**
  - Salient Feature of the Government of India Act 1935
  - Salient Feature of Indian Independence Act 1947
  - Objectives Resolution
  - Salient Feature of the 1956 Constitution
  - Developments leading to the abrogation of Constitution of 1956
  - Salient features of the 1962 Constitution
  - Causes of failure of the Constitution of 1962
  - Comparative study of significant features of the Constitution of 1956, 1962 and 1973
- **Fundamental rights**
- **Principles of policy**
- **Federation of Pakistan**
  - President
  - Parliament
  - The Federal Government
- **Provinces**
  - Governors
  - Provincial Assemblies
  - The Provincial Government
- **The Judicature**
  - Supreme Court
  - High Courts
  - Federal Shariat Courts
  - Supreme Judicial Council
  - Administrative Courts and tribunals
- **Islamic Provisions in Constitution**
- **Significant Amendments of Constitution of Pakistan 1973**

**Recommended Books:**

1. Constitutional and Political History of Pakistan by Hamid Khan
2. Mahmood, Shaukat and Shaukat, Nadeem. Constitution of the Islamic Republic of Pakistan, 3rd re edn. Lahore: Legal Research Centre, 1996.
3. Munir, Muhammad. Constitution of the Islamic Republic of Pakistan: Being a

  
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- Commentary on the Constitution of Pakistan, 1973. Lahore, Law Pub., 1975.
4. Rizvi, Syed Shabbar Raza. Constitutional Law of Pakistan: Text, Case Law and Analytical Commentary. 2nd re edn. Lahore: Vanguard, 2005.
  5. The Text of the Constitution of the Islamic Republic of Pakistan, 1973 (as amended).
  6. Fundamental Laws of Pakistan by A.K. Brohi



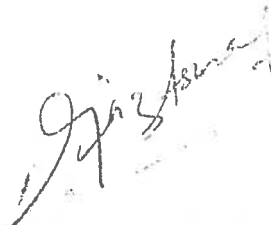
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**Contents:**

Definition and importance of Statistics in development Studies, Data, Different types of data and variables, Classification and Tabulation of data, Presenting categorical data, Frequency distribution of Continuous and discrete data, Measure of Central tendency and Measure of Dispersion. Calculation of Arithmetic mean, geometric mean, harmonic mean and median, Range, variance, Standard deviation and coefficient of variation. Constructing and reading Box plot, Histogram, Dot Chart, Bar chart, Pie chart, Scatter plot. Introduction to sampling and its types. Sampling and its types: Probability and non-Probability Sampling, Simple random sampling, stratified random sampling, Systematic sampling, Sampling and non-sampling error. Selecting sample under different sampling methods. Inference Theory: Estimation and testing of hypothesis about mean and difference between two means using Z-test and t-test. Type-I and type-II error. Test of association of attributes using  $\chi^2$  (chi-square).

**Suggested Books:**

1. Taylor, J. K., & Cihon, C. (2004). Statistical techniques for data analysis. CRC Press.
2. Agresti, A., & Finlay, B. (2009). Statistical methods for the social sciences (Vol. 207). Upper Saddle River, NJ: Pearson Prentice Hall.
3. Freund, R. J., & Wilson, W. J. (2003). Statistical methods. Elsevier.
4. Gregory, S. (2014). Statistical methods and the geographer. Routledge.
5. Ryan, T. P. (2011). Statistical methods for quality improvement. John Wiley & Sons.
6. Hollander, M., Wolfe, D. A., & Chicken, E. (2013). Nonparametric statistical methods. John Wiley & Sons.

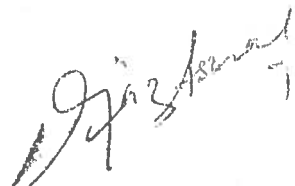
  
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**Contents:**

Introduction to Economic Development and the Environment, Environmental Issues in Developing Countries, Rural Households and Natural Resource Management (NRM), Agricultural Change and the Environment, Community-based Resource Management, Social Capital and the Environment, Economics of Environment and Development Projects, Environment and the Economy, International Trade & Policy Perspectives, Resources & Waste, Vulnerability & Adaptation, valuing nature, Governing the environment, climate change and sustainable development, climate change mitigation, adaptation to climate change, developing climate resilient society.

**Suggested Books:**

1. Castree, N. and Braun, B. (eds.). (2001) *Social Nature: Theory, Practice and Politics*. John Wiley & Sons: Oxford.
2. Cleaver, F. (2010) *Development through Bricolage. Rethinking Institutions for Natural Resource Management*. Earthscan, Routledge.
3. Martinez-Alier, J. (2002) *Environmentalism of the Poor*. Edward Elgar: Cheltenham.
4. Murray-Li, T. (2007) *The Will To Improve. Governmentality, Development, and the Practices of Politics*. Duke University Press.
5. Peet, R. and Watts, M.J. (2004) *Liberation Ecologies: Environment, Development and Social Movements*. 2nd edition. Routledge: London.
6. Peet, R., Robbins, P. and Watts, M.J. (2011) *Global Political Ecology*. Routledge: London.
7. Robbins, P. (2004/2012) *Political Ecology: A Critical Introduction*. Blackwell: Oxford.
8. Rocheleau, D., Thomas-Slayter, B. & Wangari, E. (2013) *Feminist Political Ecology: Global Issues and Local Experience*. Routledge.
9. Tuhiwai Smith, L. (2012) *Decolonizing Methodologies. Research and Indigenous Peoples*. Second Edition. Zed Books.

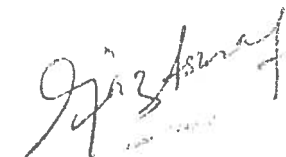
  
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**Contents:**

Basic concepts, process, theories and function of local government system. The course will depict the local government system and its process, with context to rural development. The course will cover areas of rural development; agriculture; health; education; home economics; and co-operatives. The choice of an appropriate development strategy: Industrial Development in Rural areas; Increase in Agricultural Production; increase in GNP; Preference for large farmers; Encourage small and medium farmers; Include farmers in the development process; Basic need strategy; or/and nutritional improvement and development of the rural poor. It will also cover meaning of institutions; coordination among different institutions; principle of self-sufficiency of an institution; local self-government; local governments' features, objectives and strategies; and devolution plan, objectives and strategies.

**Suggested Books:**

1. Campbell, L., and Gill, G.J., (1991). *Participatory Rural Appraisal for Nepal: Concepts and Methods*. Research Support Series No. 4 Ministry of Agriculture / Winrock International, Kathmandu.
2. Deji, O. F. (2011). *Gender and Rural Development: Advanced Studies* (Vol. 2). LIT Verlag
3. Münster.
4. Green, G. P. (Ed.). (2013). *Handbook of rural development*. Edward Elgar Publishing.
5. Jeffery M. R. (1995) *Agrarian reforms in the Philippines*, Stanford University Press.
6. Ellis, F. (2000). *Rural livelihoods and diversity in developing countries*. Oxford university press.
7. Mahmood H. K. (2001) *Community organizations and rural development in Pakistan*, University of Michigan, Vanguard Publishers.
8. Noreen, U., Imran, R., Zaheer, A., & Saif, M. I. (2011). Impact of microfinance on poverty: A case of Pakistan. *World Applied Sciences Journal*, 12(6), 877–883. Retrieved from [http://idosi.org/wasj/wasj12\(6\)/21.pdf](http://idosi.org/wasj/wasj12(6)/21.pdf)

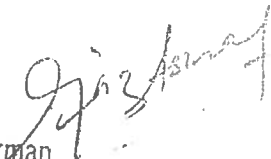
  
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**Contents:**

and definition of community, types of communities, working with community, community development characteristics and its approaches, knowing your community, group formation, community self-reliance and sustainability, participatory community learning techniques, community mapping, community social structure, economic features of a community, methods/ techniques and strategies of community development, principles of community development, community development framework, community development process (organize, analyze, communicate, plan, implement, evaluate and celebrate), factors which sustain community development, developing community based organizations, directive and community driven approaches, Community-based participatory research (CBPR): Rapid Rural Appraisal (RRA), Participatory Learning and Action (PLA), Participatory Action Research (PAR), Participatory Rural Appraisal (PRA); Community capacity building; social capital development. civil society-based community development; community assessment and mobilization; communication of innovation; community dialogue.

**Suggested books:**

1. Green, G., & Haines, A. (2016). *The Community Development Process*. SAGE Publications, Inc, <https://doi.org/10.4135/9781483398631>
2. Ohmer, M. L., & DeMasi, K. (2009). *Consensus organizing: A community development workbook: A comprehensive guide to designing, implementing, and evaluating community change initiatives*. SAGE Publications, Inc., <https://doi.org/10.4135/9781452274744>
3. Ziakas, V. (2016). *Fostering the social utility of events: An integrative framework for the strategic use of events in community development*. *Current Issues in Tourism*, 19(11), 1136-1157.
4. Herbert-Cheshire, L. (2000). *Contemporary strategies for rural community development in Australia: a governmentality perspective*. *Journal of rural studies*, 16(2), 203-215.
5. Ledwith, M. (2020). *Community development: A critical approach*. Policy Press.
6. Phillips, R., & Pittman, R. (2008). *An introduction to community development*. Routledge.
7. Lemann, N. (1994). *The myth of community development*. *New York Times Magazine*, 9(1), 27-31.

  
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## SEMESTER-IV

URCG-5115

The Science of Global Challenges

3 (2+-)

### **Content:**

Climate Change i.e., Global Warming, Natural and Anthropogenic Activities and their impact; Energy i.e., Renewable and non-renewable energy resources; Water Security i.e., water scarcity and waste water treatment; Land Degradation i.e., salinity, water logging, deforestation, land erosion; Food Security and roll of Biotechnology in food production; Global Health Pandemics i.e., Infectious diseases, vaccine, development of drug discovery for newly explored diseases

### **Practical:**

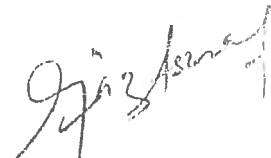
- 1: Preparation of standard solution and their standardizations
- 2: Soil and Water Analysis

### **Recommended Text:**

Usman, M. (2022). *Science of Global Challenges*. Ilmi Kitab Khana, Lahore

### **Suggested Books**

- 1: Thieman, W.J. & Palladino, M.A. (2014). *Introduction to biotechnology*. Edinburgh Gate UK:Pearson Education Limited.
- 2: Daugherty, E. (2012). *Biotechnology: Science for the New Millennium*, 1st Edition, Revised, USA:Paradigm Publication.
- 3: Karaduman, I. C. (Ed.) (2014) *Global Challenges for the world*. Obronosc. Zeszyt Naukowe. Turkey

  
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This course addresses the unique entrepreneurial experience of conceiving, evaluating, creating, managing, and potentially selling a business idea. The goal is to provide a solid background with practical application of important concepts applicable to the entrepreneurial environment. Entrepreneurial discussions regarding the key business areas of finance, accounting, marketing and management include the creative aspects of entrepreneurship. The course relies on classroom discussion, participation, the creation of a feasibility plan, and building a business plan to develop a comprehensive strategy for launching and managing a new venture.

### Course Learning Objectives

1. To enhance the 'entrepreneurial intentions' of the students by improving their natural willingness to start a business.
2. To understand the process of entrepreneurship and learn the ways to manage it by working individually in the class and in the form of groups outside the class to conduct field assignments.
3. To educate the students about the practical underpinnings of the entrepreneurship with the aid of practical assignments and idea pitching.

### Contents:

1. **Background:** What is an Organization, Organizational Resources, Management Functions, Kinds of Managers, Mintzberg's Managerial Roles.
2. **Forms of Business Ownership:** The Sole proprietorship, Partnership, Joint Stock Company
3. **Entrepreneurship:** The World of the Entrepreneur, what is an entrepreneur? The Benefits of Entrepreneurship, The Potential Drawbacks of Entrepreneurship, Behind the Boom: Feeding the Entrepreneurial Fire.
4. **The Challenges of Entrepreneurship:** The Cultural Diversity in Entrepreneurship, The Power of "Small" Business, Putting Failure into Perspective, The Ten Deadly Mistakes of Entrepreneurship, How to Avoid the Pitfalls, Idea Discussions & Selection of student Projects, Islamic Ethics of Entrepreneurship.
5. **Inside the Entrepreneurial Mind:** From Ideas to Reality: Creativity, Innovation, and Entrepreneurship, Creativity – Essential to Survival, Creative Thinking, Barriers to Creativity, How to Enhance Creativity, The Creative Process, Techniques for Improving the Creative Process, Protecting Your Ideas, Idea Discussions & Selection of student Projects.
6. **Products and technology, identification opportunities**
7. **Designing a Competitive Business Model and Building a Solid Strategic Plan:** Building a strategic plan, Building a Competitive Advantage, The Strategic Management Process, Formulate strategic options and select the appropriate strategies, Discussion about execution of Students' Project.
8. **Conducting a Feasibility Analysis and Crafting a Winning Business Plan:** Conducting a Feasibility Analysis, Industry and market feasibility, Porter's five forces model, Financial feasibility analysis. Why Develop a Business Plan, The Elements of a Business Plan, What Lenders and Investors Look for in a Business Plan, Making the Business Plan Presentation.
9. **Building a Powerful Marketing Plan:** Building a Guerrilla Marketing Plan, Pinpointing the Target Market, Determining Customer Needs and Wants Through Market Research. Plotting a Guerrilla Marketing Strategy: How to Build a Competitive Edge, Feed Back & Suggestions on Student Project, Islamic Ethics for Entrepreneurial Marketing
10. **E-Commerce and the Entrepreneur:** Factors to Consider before Launching into E- Commerce, Ten Myths of E-Commerce, Strategies for E-Success, Designing a Killer Web Site, Tracking Web Results, Ensuring Web Privacy and Security, Feed Back & Suggestions on Student Project.
11. **Pricing Strategies:** Three Potent Forces: Image, Competition, and Value, Pricing Strategies and Tactics, Pricing Strategies and Methods for Retailers, The Impact of Credit on Pricing

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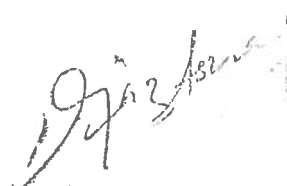
12. **Attracting Venture Capitalist:** Projected Financial Statements, Basic Financial Statements, Ratio Analysis, Interpreting Business Ratios, Breakeven Analysis, Feed Back & Suggestions on Student Project,
13. **Idea Pitching:** Formal presentation, 5-minutes pitch, funding negotiation and launching.

**Recommended Texts:**

1. Scarborough, N. M. (2011). *Essentials of entrepreneurship and small business management*. Publishing as Prentice Hall, One Lake Street, Upper Saddle River, New Jersey 07458..

**Suggested Readings:**

1. Burstiner, I. (1989). *Small business handbook*. Prentice Hall Press.

  
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The Civics and Community Engagement course is designed to provide students with an understanding of the importance of civic participation, culture and cultural diversity, basic foundations of citizenship, group identities and the role of individuals in creating positive change within their communities. The course aims at developing students' knowledge, skills and attitudes necessary for active and responsible citizenship.

### Learning outcomes

After completing this course, students will be able to

- Understand the concepts of civic engagement, community development, and social responsibility.
- Understand rights and responsibilities of citizenship
- Understand cultural diversity in local and global context
- Analyze the significance of civic participation in promoting social justice, equity, and democracy.
- Examine the historical and contemporary examples of successful civic and community engagement initiatives.
- Identify and assess community needs, assets, and challenges to develop effective strategies for community improvement.
- Explore the ethical implications and dilemmas associated with civic and community engagement.
- Develop practical skills for effective community organizing, advocacy, and leadership.
- Foster intercultural competence and respect for diversity in community engagement efforts.
- Collaborate with community organizations, stakeholders, and fellow students to design and implement community-based projects.
- Reflect on personal growth and learning through self-assessment and critical analysis of community engagement experiences.

### Course Content:

#### **Introduction to Civics & Community Engagement**

- Overview of the course: Civics & Community Engagement
- Definition and importance of civics
- Key concepts in civics: citizenship, democracy, governance, and the rule of law
- Rights and responsibilities of citizens

#### **Citizenship and Community Engagement**

- Introduction to Active Citizenship: Overview of the Ideas, Concepts, Philosophy and Skills
- Approaches and Methodology for Active Citizenship

#### **Identity, Culture, and Social Harmony**

- Concept and Development of Identity, Group identities
- Components of Culture, Cultural pluralism, Multiculturalism, Cultural Ethnocentrism, Cultural relativism, Understanding cultural diversity, Globalization and Culture, Social Harmony,
- Religious Diversity (Understanding and affirmation of similarities & differences)
- Understanding Socio-Political Polarization
- Minorities, Social Inclusion, Affirmative actions

#### **Multi-cultural society and inter-cultural dialogue**

- Inter-cultural dialogue (bridging the differences, promoting harmony)
- Promoting intergroup contact/ Dialogue
- Significance of diversity and its impact
- Importance and domains of Inter-cultural dialogue

### **Active Citizen: Locally Active, Globally Connected**

- Importance of active citizenship at national and global level
- Understanding community
- Identification of resources (human, natural and others)
- Utilization of resources for development (community participation)
- Strategic planning, for development (community linkages and mobilization)

### **Human rights, constitutionalism and citizens' responsibilities**

- Introduction to Human Rights
- Human rights in constitution of Pakistan
- Public duties and responsibilities
- Constitutionalism and democratic process

### **Social Institutions, Social Groups, Formal Organizations and Bureaucracy**

- Types of Groups, Group identities, Organizations
- Bureaucracy, Weber's model of Bureaucracy
- Role of political parties, interest groups, and non-governmental organizations

### **Civic Engagement Strategies**

- Grassroots organizing and community mobilization
- Advocacy and lobbying for policy change
- Volunteerism and service-learning opportunities

### **Social issues/Problems of Pakistan**

- Overview of major social issues of Pakistani society

### **Social Action Project**

#### **Recommended Books:**

1. Kennedy, J. K., & Brunold, A. (2016). Regional context and Citizenship education in Asia and Europe. New York: Routledge, Falmer.
2. Henslin, James M. (2018). Essentials of Sociology: A Down to Earth Approach (13<sup>th</sup> ed.). New York: Pearson Education
3. Macionis, J. J., & Gerber, M.L. (2020). Sociology. New York: Pearson Education

#### **Reference Books:**

1. Glencoe McGraw-Hill. (n.d.). Civics Today: Citizenship, Economics, and Youth.
2. Magleby, D. B., Light, P. C., & Nemacheck, C. L. (2020). Government by the People (16th ed.). Pearson.
3. Sirianni, C., & Friedland, L. (2005). The Civic Renewal Movement: Community-Building and Democracy in the United States. Kettering Foundation Press.
4. Bloemraad, I. (2006). Becoming a Citizen: Incorporating Immigrants and Refugees in the United States and Canada. University of California Press.
5. Kuyek, J. (2007). Community Organizing: Theory and Practice. Fernwood Publishing.
6. DeKieffer, D. E. (2010). The Citizen's Guide to Lobbying Congress. TheCapitol.Net.
7. Rybacki, K. C., & Rybacki, D. J. (2021). Advocacy and Opposition: An Introduction to Argumentation (8th ed.). Routledge.
8. Kretzmann, J. P., & McKnight, J. L. (1993). Building Communities from the Inside Out: A Path Towards Finding and Mobilizing a Community's Assets. ACTA Publications.
9. Patterson, T. E. (2005). Engaging the Public: How Government and the Media Can Reinvigorate American Democracy. Oxford University Press.
- Love, N. S., & Mattern, M. (2005). Doing Democracy: Activist Art and Cultural Politics. SUNY Press.

**Course Description**

This course is designed to provide students with a comprehensive exploration of Pakistan's identity, spanning geographical, historical and cultural dimensions. It delves into the diverse landscape, ancient civilizations, and rich cultural heritage that define Pakistan. Moreover, it examines the socio-cultural and political transformations in Pakistan over time including democratic transitions and military interventions. The aim of this course is to inculcate in students a nuanced understanding of Pakistan's past, present, and potential future trajectories, enabling them to critically evaluate the complex dynamics shaping the nation's development.

**Course Learning Outcomes**

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

1. Have enhanced knowledge of the geographical, historical and political aspects of Pakistan.
2. Understand the society and cultural of Pakistan.
3. Understand and explain the socio-economics developments in Pakistan.
4. Explore contemporary issues and challenges faced by Pakistan and their implications for the future.

**Contents**

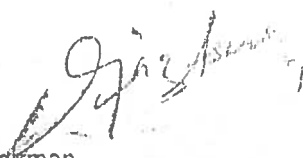
1. **Introduction to Pakistan:**
  - Geographical location and significance.
  - Historical background: Ancient civilizations in the region.
  - Factors leading to the creation of Pakistan
2. **Political History of Pakistan:**
  - Formative phase
  - Military interventions and democratic transitions.
3. **Geography of Pakistan:**
  - Physiography: Mountains, plains, plateaus, deserts, valleys and coastal areas.
  - River system: Indus river and its tributaries;
  - Climatic regions of Pakistan.
4. **Society and Culture of Pakistan:**
  - Socio- cultural diversity.
  - Language and literature of Pakistan.
5. **Economics Development of Pakistan:**
  - Agriculture and industrial sectors of Pakistan.
  - Economic challenges of Pakistan.
6. **Contemporary Issues:**
  - Foreign relations of Pakistan.
  - Security challenges: terrorism, extremism, regional conflicts.
  - Environmental problems and sustainable development (SDGs).
  - Media and social change.

**SUGGESTED READING MATERIALS**

1. "Jinnah of Pakistan" by Stanley Wolpert
2. "The sole Spokesman: Jinnah, the Muslim League, and the Demand for Pakistan" by Ayesha Jalal
3. "The struggle for Pakistan" by Ishtiaq Hussain Qureshi
4. "Pakistan, the Formative Phase, 1857-1948" by Khalid B. Sayeed
5. "Pakistan Studies: A Book of Readings" by Sikandar Hayat

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6. "Constitutional and Political History of Pakistan" by Hamid Khan
7. "Trek to Pakistan" by Ahmad Saeed and Kh. Mansur Sarwar
8. "Pakistan: A Modern History" by Ian Talbot
9. "Politics in Pakistan: The Nature and Direction of Change" by Khalid B. Sayeed
10. "Physical Geography of Pakistan" by Umar Jahangir
11. "A Geography of Pakistan: Environment, people, and Economy" by Fazle Karim Khan
12. "Pakistan's Foreign Policy: An Historical Analysis" by S.M. Burke
13. "Separatism in East Pakistan" by Rizwan Ullah Kokab
14. "Being Pakistani: Society, Culture and the Arts" by Raza Rumi
15. "Pakistani's Culture Heritage: Socio-Economic and Technological Aspects" edited by Abdul Jabbar Khan
16. "Language and Politics in Pakistan" by Tariq Rahman
17. "Sociology" by Horton and Hunt
18. "Pakistan in the Twentieth Century: A Political History" by Lawrence Ziring
19. "Economic Development of Pakistan" by Ishrat Husain
20. "Issues in Pakistan's Economy" by S. Zaidi

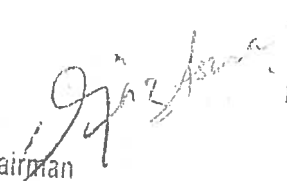
  
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**Contents:**

The course will help students to understand the historical causes and real nature of underdevelopment. It will discuss the theoretical considerations explaining the situation of underdevelopment and the path for development from the view point of developing countries. It has great practical implications, as development theory offers the justification for strategies, policies and projects. The course consists of modernization/backwardness theories including, dualism theories, theory of balanced growth, theory of unbalanced growth, theory of stages of growth, big-push theory, theory of development poles, theory of circular causation and theory of social change. It includes dependence theories such as external trade theories and dependency theories. The students will learn that apart from aspects partially discussed by these theories there are certain historical situations and specific conditions of production that also explain the causes of underdevelopment in different countries.

**Suggested Books:**

1. Pieterse, J. N. (2010). Development theory. Sage.
2. Gready, P., & Ensor, J. (Eds.). (2005). Reinventing development?: Translating rights-based approaches from theory into practice. Zed Books.
3. Rapley, J. (1997). Understanding development: Theory and practice in the third world. Psychology Press.
4. Sharf, R. S. (2016). Applying career development theory to counseling. Cengage Learning.
5. Crain, W. (2015). Theories of development: Concepts and applications.

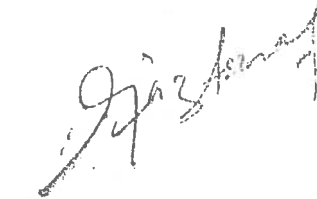
  
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**Contents:**

This course has been designed to enable the students to make a better insight into the concepts and effects of media on individual and society through study of various theories. After study of this course, the students will be able to reconsider and adopt different media theory in designing message. What is communication: The concept and nature of communication, communication process, theories and models of communication, social marketing verses development communication, the change agent in the rural community, communication principles, communication methods, using audio-visual aids, teaching methods and skills, managing training courses, rural development strategies and role of communication in the overall development processes.

**Suggested Books:**

1. Arnold, E. C., & Boggs, K. U. (2019). Interpersonal relationships e-book: professional communication skills for nurses. Elsevier Health Sciences.
2. Knapp, M. L., Vangelisti, A. L., & Caughlin, J. P. (2005). Interpersonal communication and human relationships.
3. Psaltis, C., & Zapiti, A. (2014). Interaction, communication and development: Psychological development as a social process. Routledge.
4. DeVito, J. A. (2019). The interpersonal communication book. Instructor, 1, 18.
5. McKay, M., Davis, M., & Fanning, P. (2009). Messages: The communication skills book. New Harbinger Publications.



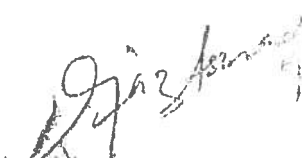
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**Contents:**

The following topics will be covered: interpretation and differences between growth and development, principal determinants of growth, investment and savings, health and education, productivity, technology and innovation, integration and challenges of the international trading system for developing countries, role and importance of institutions, meaning and measurement of poverty and inequality, issues in agricultural development, structural adjustment and aid. The main objective of this course is to make students demonstrate basic knowledge of a range of conceptual questions and policy issues relating to the economics of development, to be able to understand the analytical techniques which are used by economists, including simple graphs and equations and to diagnose some of the main problems of developing countries and discuss possible policy measures required for promoting growth and development.

**Suggested Books:**

1. Ray, D. (1998). Development economics. Princeton University Press.
2. Jhingan, M. L. (2011). The economics of development and planning. Delhi: Vrinda Publications.
3. Jomo, K. S., & Fine, B. (Eds.). (2006). The new development economics: Post Washington Consensus neoliberal thinking. Zed Books.
4. Godo, Y. (2005). Development economics: From the poverty to the wealth of nations. OUP Oxford.
5. Sundaram, J. K., Jomo, K. S., & Jomo, K. S. (Eds.). (2005). The pioneers of development economics: great economists on development. Zed Books.
6. Lal, D. (2000). The poverty of "development economics". mit Press.
7. Hirschman, A. O. H. (2013). The rise and decline of development economics. In The Essential Hirschman (pp. 49-73). Princeton University Press.

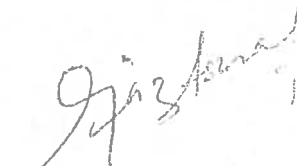
  
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**Contents:**

The course covers definition and branches of anthropology; anthropology and its relationships with other social sciences; anthropology and sociology; explanations in social anthropology; social function and social structure, The Kinship system; the family, the marriage and affinity, Territorial groups and associations, Age and social networks with social stratification, The economic system, The political organizations; politics and government; law and social sanctions, The religious system; religion and magic, Witchcraft and sorcery, Religious functionaries, Life cycle customs; pregnancy and birth, adolescence and adulthood, disease, old age and health, social change.

**Suggested Books:**

1. Biehl, J. G. (2004). Introduction to anthropology.
2. Bonvillain, N., & Schwimmer, B. E. (2010). Cultural anthropology. Prentice Hall.
3. Eriksen, T. H. (2004). What is anthropology?. London: Pluto Press.
4. Tilley, C., & Cameron-Daum, K. (2017). An anthropology of landscape (p. 346). UCL Press.
5. Mosse, D. (Ed.). (2011). Adventures in Aidland: The anthropology of professionals in international development (Vol. 6). Berghahn Books.
6. Mosse, D. (Ed.). (2011). Adventures in Aidland: The anthropology of professionals in international development (Vol. 6). Berghahn Books.

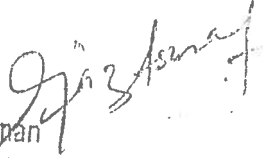


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Translation of the Holy Quran- II		URCG-5111	Non-Credit
Topic	Details		
Semester/Level	In some discipline 3 <sup>rd</sup> semester and in some discipline 4 <sup>th</sup> Semester/ ADP Program 2 <sup>nd</sup> Year		
Course Code	URCG-5111		
Course Title	Translation of the Holy Quran – II		
Credit Hours	Non-Credit		
Objectives	<ul style="list-style-type: none"> <li>▪ Students will come to know about the real nature, significance and relevance of the Islamic beliefs in light of the text of the Holy Quran.</li> <li>▪ Students will seek knowledge of translation and transliteration of the Holy Book Quran.</li> <li>▪ To familiarize the students with the concept of Ibādah (Its significance, scope and relevance) and its types in Islam.</li> <li>▪ Students will learn literal and idiomatic way of translation of the Holy Book.</li> <li>▪ Students will learn about the polytheism and its incompatibility in Islam highlighted by the Holy Quran.</li> <li>▪ To highlight the significance of learning through using all human faculties provided by the almighty Allah and familiarize the students about condemnation of ignorance mentioned in the Quranic text.</li> <li>▪ To develop Awareness among the students about rights and duties of different circles of society in the light of Holy Quran.</li> <li>▪ To introduce the students to Quranic Arabic grammar in practical manner.</li> </ul>		
Course Contents:	<p>ایمانات اور عبادات</p> <p>○ بلا پر ایمان، نورانیوں پر ایمان، رسولوں پر ایمان، آسمانی کتابوں پر ایمان</p> <p>یوم آخرت پر ایمان، تہذیب پر ایمان نماز، روزہ، زکوٰۃ، حج، جہاد</p> <p>○ معاشرے کے حقوق</p> <ul style="list-style-type: none"> <li>• خاندان کی تکوین</li> <li>• حق مہر</li> <li>• رضاعت و حمل</li> <li>• اولاد کو نزل کرنے کے ممانعت</li> <li>• شوہر کی نفرتی</li> <li>• طلاق</li> <li>• بیوہ کی عنت کے احکام</li> <li>• نکاح کا ہیثم بھی چڑھا</li> <li>• عورت کی وراثت (اس کے شوہر کی طرف سے)</li> <li>• والدین کے حقوق</li> <li>• بیویوں اور اولاد کے بیچ عداوت</li> <li>○ خاندان کے حقوق</li> <li>• مہمان کی عزت</li> <li>• اجازت طلب کرنے کے اصول</li> <li>• مجلس کے آداب</li> <li>• نعلوں اور بھائی چارہ</li> <li>• گروہ بندی</li> <li>• صحبت</li> <li>• لوگوں کے درمیان صلح</li> <li>• غلو و درگزر، غصہ پر قابو اور معاف کرنا</li> <li>• شوہر و زیبائل</li> <li>• لوگوں کے بیچ اختلافات</li> <li>• حمایت و ننگبازی</li> </ul> <p>Chairman Dept. of Agricultural Extension and Rural Studies College of Agriculture, University of Sargodha Sargodha</p> <p>○ قرآنی عربی گرامر کے اصول اور ان کے اطلاقات (مبنی قرآنی پر اطلاق سے)</p>		
Grammar:			

	نوضیحات )
<p>Details of Chapters and verse Numbers:</p>	<ul style="list-style-type: none"> <li>▪ جزئیات مع ترجمہ ونجورد</li> <li>▪ البقرہ (( ۱۱۷، ۲۳۸، ۴۵، ۱۱۸، ۲۷۸، ۸۲، ۱۷۷، ۴۵، ۳۴۷، ۱۵۸، ۷۱۸، ۴۲۸، ۵۳، ۴۲۸، ۴۷، ۲۸۷، ۳۴۸، ۲۲، ۸۲، ۲۸۷، ۴۲۸، ۲۴۸، ۱۱۷، ۲۳۷، ۲۲۷، ۱۱۸، ۵۲۷، ۳۲۷، ۲۷۸، ۲۴۷، ۲۲۷، ۷۵۸، ۱۸۸، ۲۸۸، ۱۳۸، ۲۸۸، ۱۳۸، ۷۳۸، ۲۸۸، ۱۳۸، ۴۳۸، ۱۳۸، ۸۲، ۵۲۷، ۳۳۸، ۸۲۷، ۱۲۷، ۳۲ )</li> <li>▪ النساء ( ۴۲، ۸۲، ۲۴، ۲۳۷، ۱۲، ۳۷، ۱۲، ۲۲، ۲۲، ۲۲، ۲۳، ۲۱۷، ۸۷، ۴۳، ۲۸۷، ۵۳، ۷۷، ۵، ۲۱۷، ۵۸، ۴۸، ۷۷، ۷۷، ۲۸۷، ۷۲۷، ۴۳، ۱۸، ۴۳، ۷۲۷، ۲، ۷، ۱۸، ۷ )</li> <li>▪ التعمام ( ۸۸، ۸۲، ۵۷، ۱۳۷، ۷۴۷، ۲۵، ۵۴ )</li> <li>▪ آل عمران ( ۱۲، ۲۳، ۴۲، ۴۸۷، ۵۲، ۵۵۷، ۲۷، ۷ )</li> <li>▪ المائدہ ( ۵۴، ۸، ۸۲، ۲۳، ۲۷، ۸۲، ۸ )</li> <li>▪ الاعراف ( ۴۳، ۲۲۷، ۲۲۷ )</li> <li>▪ الثوبہ ( ۱۸، ۲۷، ۷۱ )</li> <li>▪ بود ( ۸۷ )</li> <li>▪ الزمر ( ۲ )</li> <li>▪ النور ( ۵۴، ۸۴، ۲۸، ۱۸، ۱۲، ۲۸ )</li> <li>▪ محمد ( ۳۳ )</li> <li>▪ نزل ( ۸۲، ۱۸ )</li> <li>▪ الرعد ( ۳ )</li> <li>▪ الطالق ( ۵ )</li> <li>▪ الحج ( ۴ )</li> <li>▪ ابرام ( ۳۸، ۵۵ )</li> <li>▪ السراء ( ۵۸، ۳۸ )</li> <li>▪ الحقائق ( ۴۷ )</li> <li>▪ المؤمنون ( ۱۸ )</li> <li>▪ التکووت ( ۲، ۴۸، ۲۵ )</li> <li>▪ النمل ( ۸۸ )</li> <li>▪ لقمان ( ۵، ۴۷، ۵۷ )</li> <li>▪ الحزاب (( ۴۳، ۲۳، ۱۴، ۲۵ )</li> <li>▪ الشعراء ( ۱ )</li> <li>▪ الروم ( ۷۸ )</li> <li>▪ مریم ( ۵۷، ۲۸ )</li> <li>▪ المجائلہ ( ۷۷، ۸۷ )</li> </ul>

  
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## SEMESTER-V

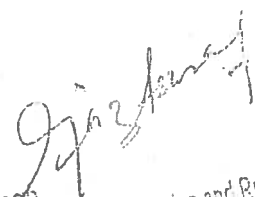
**DEVS-5114 Development Project Planning, Management and Implementation 3(3-0)**

### **Contents:**

Principles of project planning, models in project management, Funding-sourcing; cost analysis; cost and resource allocation/disbursement; mobilization strategies and administration, project cycle, feasibility studies, project appraisal and monitoring and evaluation, use of simulation techniques in project management; case studies.

### ***Suggested Books:***

1. Rad, P. F., & Anantatmula, V. S. (2005). Project Planning Techniques Book. Berrett-Koehler Publishers.
2. Shtub, A., Bard, J. F., & Globerson, S. (1994). Project management: engineering, technology, and implementation. Prentice-Hall, Inc.
3. Wysocki, R. K., Beck Jr, R., & Crane, D. B. (1995). Effective project management: how to plan, manage, and deliver projects on time and within budget. John Wiley & Sons, Inc.
4. Vargas, R. V. (2007). Practical guide to project planning. CRC Press.
5. Nutt, P. C. (1983). Implementation Approaches for Project Planning. Academy of Management Review, 8(4), 600-611.

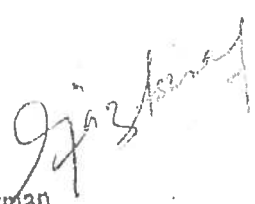
  
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**Contents:**

Leadership and its types, communication process for leadership and its components, Leadership: concept, functions and styles, Relation of extension to development through effective leadership, Roles and characteristics of leadership, 7 Habits of highly effected people, Six thinking hats and rural leadership, Leadership styles and problem-solving behaviour, Leadership and local rural community power, Leadership and advocacy for rural development, Leadership and the development practitioners, Role of local leaders in rural development work, Problems, needs and motivation, Leadership style and group behaviour, Factors influencing the performance of individuals in organizations

**Suggested Books:**

1. Muhammad, S. (2005). *Communication Skills & Leadership Development*; Unitech Communications; Faisalabad
2. Khan, I.A. (2007). *Changing patterns of rural leadership and their characteristics*. Pakistan academy for Rural Development, Peshawar.
3. Jalihal, K.A., And V. Veerabhadraiah. (2007). *Fundamentals Of Extension Education And Management In Extension*. Concept publishing company.
4. Shriberg, B., Kumari, R. & Shirberg. A. (2011). *Practicing Leadership: Principles and Applications*; (3<sup>rd</sup> ed.); Willy, New York; USA
5. Calvert, P. (2000). *The Communicator's Handbook: Tools, Techniques and Technology* (4<sup>th</sup> ed.); Maupin House Publishing; USA.

  
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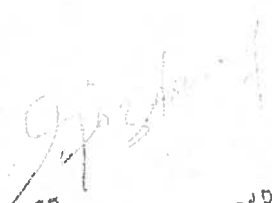
**Contents:**

Historical Background of microfinance; Microfinance standards and principles; Conventional Systems of Finance Microfinance and poverty; Microfinance and social interventions; Scale of microfinance operations; Challenges in 21st century, Status of national level micro-credit. International case studies such as Grameen Bank; national case studies such as Orangi Charitable Trust and Kashf Foundation.

The History of Microfinance applications, Poverty and Microfinance, Lessons from the Informal Sector, Microfinance Products and Services, Micro savings, Micro insurance, Training and Technical Assistance, Understanding Financial Statements in Relation, Governance and Regulation, Commercialization, Women and Microfinance National and international case studies; Role and Optimal Policy Measures, The Future of Mobile Money.

**Suggested Books:**

1. Islam, T. (2012). Microcredit and poverty alleviation. Ashgate Publishing, Ltd..
2. Hulme, D., & Arun, T. (Eds.). (2009). Microfinance: A reader. Routledge.
3. Johnson, S., & Rogaly, B. (1997). Microfinance and poverty reduction. Oxfam.
4. Quinones, B., & Remenyi, J. (Eds.). (2014). Microfinance and poverty alleviation: Case studies from Asia and the Pacific. Routledge.
5. Obaidullah, M. (2008). Role of microfinance in poverty alleviation: Lessons from experiences in selected IDB member countries. Mohammed Obaidullah, Role of Microfinance in Poverty Alleviation: Lessons from Experiences in Selected IDB Member Countries, Islamic Development Bank.

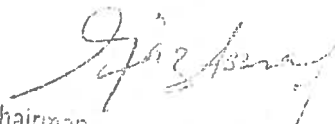
  
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**Contents:**

Economic Geography and the Industrial World, Classical Theories of Political Economy; Contemporary Theories of Political Economy; Marxism and Communism; International Political Economy, Public Choice Theory. New Marxism; Neo Liberalism.

**Suggested Books:**

1. Gilpin, R. (2001). Global political economy: Understanding the international economic order. Princeton university press.
2. Chang, H. J., & Amsden, A. H. (1994). The political economy of industrial policy (p. 112). London: Macmillan.
3. Law, D., & Gill, S. (1988). The global political economy: perspectives, problems, and policies. Harvester Wheatsheaf.
4. Ordeshook, P. C. (1986). Game theory and political theory. Cambridge Books.
5. Frieden, J. A., & Lake, D. A. (2002). International political economy: perspectives on global power and wealth. Routledge.

  
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**Contents:**

Concepts and definitions of sustainability and sustainable livelihoods, linkage of sustainable livelihoods with poverty and development, Sustainable livelihood framework, global change and sustainable development, natural resource management, rural society and sustainable development, Islamic perspectives on sustainable development, North-South issues in sustainable development, issues related to food security for sustainable development. Concepts of Sustainability, Climate Change, Energy and Environment. Evolution and History of sustainability awareness. Macro Sustainable Development; Urban Sustainable Development; Sustainable development and economy, ecology, culture, politics, agriculture, architecture, environment; Measuring factors of Sustainable Development; Risks and Preparedness for Sustainability.

**Suggested Books**

1. Scoones, I. 1998. Sustainable rural livelihoods: a framework for analysis. Institute of Development Studies, Indiana University.
2. Ponniah, A., R. Puskur, S. Workneh and D. Hoekstra. 2008. Concepts and practices in agricultural extension in developing countries: A source book. IFPRI (International Food Policy Research Institute), Washington, DC, USA, and ILRI (International Livestock Research Institute), Nairobi, Kenya.
3. Al-Jayyousi, O.R. 2010. Islam and Sustainable Development, New Worldviews. GOWER.
4. Devereux, S., Vaitla, B., Swan, S.H., 2008. *Seasons of hunger: Fighting cycles of quiet starvation among the world's rural poor*, Pluto Press.
5. Devereux, S. R. Sabates-Wheeler and R. Longhurst. 2011. Seasonality, rural livelihoods and development. Routledge Publishers.
6. Helmore, K., and Singh, N. 2001. Sustainable Livelihoods: Building on the Wealth of the Poor. Connecticut, USA: Kumarian Press.
7. Ellis, F. 2000. Rural Livelihoods and Diversity in Developing Countries. Oxford University Press.

  
Chairman

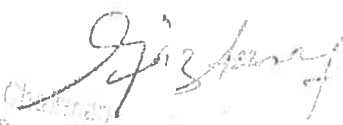
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

Point Estimation and Interval estimation, Confidence interval for mean, Confidence interval for difference between two means, Testing of hypothesis about mean using Z-test and t-test, Testing of hypothesis about difference between two means using Z-test and t-test, Paired sample t-test, Testing of hypothesis about more than two means using ANOVA, Testing of hypothesis about single proportion, Testing of hypothesis about two proportions, Test of association of attributes using  $\chi^2$  (chi-square), Simple linear regression and correlation.

**Suggested Books:**

1. Muhammad, F. (2000). *Statistical methods and data analysis*. Pakistan: Ilmi Kitab Khana.
2. Rao, G. N. (2007). *Statistics for agricultural sciences* (2<sup>nd</sup> ed.). BS Publication.
3. Lawal, B. (2014). *Applied statistical methods in agriculture, health and life sciences*. USA: Springer.
4. Sahu, P. K. (2016). *Applied statistics for agriculture, veterinary, fishery, dairy and allied fields*. USA: Springer.
5. Crawshaw, J. & Chambers, J. A. (1994). *Concise course in A. level statistic with world examples*. USA: Springer

  
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Dept. of Agricultural Extension and Education  
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Sargodha

## SEMESTER-VI

DEVS-5119

Research Methods in Development Studies

3(2-1)

### **Contents:**

#### **Theory**

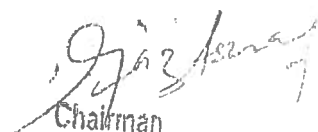
Concepts of research, research ethics, Purposes of research, Types/kinds of research, Research process and its steps, Concepts of Qualitative and Quantitative research, conducting qualitative research, Research designs used in social science research, Appraisal techniques, Concept of sampling and sampling process, Interviewing, Research instruments (Questionnaire, interview schedule, interview guide etc.), Developing a research report, Data collection and analysis

#### **Practical**

Each student will develop a questionnaire/interview schedule/interview guide for data collection. The student(s) will collect data on limited scale, analyze and submit the research report.

### **Suggested Books:**

1. Keith, F. P. (2009). *Introduction to Research Method in Education*; SAGE publishers, London.
2. Brennin, B. (2013). *Qualitative Research Methods for Media Studies* (1<sup>st</sup>ed.); Simultaneous Publications, UK.
3. Kumar, G.A.K., Mohanty, A.K., & Prasad, A.M. (2013). *Research Methods in Agricultural Extension*; National Institute of Agricultural Extension Management, Rajendranagar, Hyderabad – 500 030, Andhra Pradesh, India. [www.manage.gov.in](http://www.manage.gov.in)
4. Field, A. 2009. *Discovering Statistics Using SPSS* (3<sup>rd</sup> edition). SAGE publications LTD.
5. Wallwork, A. 2011. *English for writing Research Papers*. Springer New York Dordrecht Heidelberg London.
6. Best, J.W., and J.V. Kahn. 2009. *Research in Education* (20<sup>th</sup> edition). PHI Learning Private LTD.
7. Seidman, I. 2006. *Interviewing as Qualitative Research. A Guide for Researchers in Education and the Social Sciences*. 3<sup>rd</sup> Edition. Teachers College, Columbia University, New York and London.
8. Berg, B.L. 2001. *Qualitative Research Methods for The Social Sciences*. (4<sup>th</sup> Edition). Pearson Education Company, USA.
9. McMillan, J. H. (2010). *Educational Research: Fundamentals for the Consumer* (5<sup>th</sup>ed.); Harper Collins College Publishers, USA.
10. Bhattacharjee, A. (2012). *Social Science Research: Principles, Methods, and Practices*, (2<sup>nd</sup>ed.); University of South Florida, USA.
11. O' Leary, Z. (2005). *Essential Guide to do Research*; SAGE Publishers, New Delhi. India.

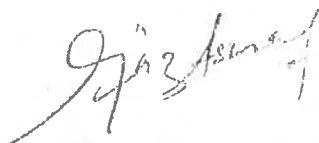
  
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture University of Sargodha  
Sargodha

**Contents:**

Concepts of disasters, hazards, risks, vulnerability, risk reduction mechanism; emergency and complex emergency are explored. Aspects pertaining to disaster cycle; disaster preparedness; disaster assessment; disaster response; disaster mitigation; settlement and camps; vulnerable groups- special needs of vulnerable groups logistics planning & procurement; and inter-agency coordination. Common approaches to disaster assessment. Disaster response planning, roles and responsibilities, initial emergency operations, emergency operations by sectors, emergency operations support and management, and recovery and rehabilitation. Relationship between disasters and development. Environmental management, sustainable development and the roles of communities, governments, non-governmental organizations and concerned multilateral and assistance agencies in promoting development in the context of disasters.

**Suggested Books:**

1. Coppola, D. P. (2006). Introduction to international disaster management. Elsevier.
2. Shaw, R. (Ed.). (2009). Disaster Management: Global challenges and local solutions. Universities Press.
3. Izumi, T., & Shaw, R. (2015). Disaster Management and Private Sectors. Challenges and Potentials en Disaster Risk Reduction: Methods, Approaches and Practices. Japan: Springer.
4. Butt, S., Nasu, H., & Nottage, L. (2016). Asia-Pacific disaster management. Springer-Verlag Berlin An.
5. Gupta, H. K. (Ed.). (2003). Disaster management. Universities Press.



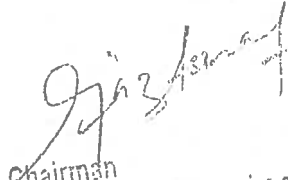
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

Basic concepts, process, theories and function of local government system. The course will depict the local government system and its process, with context to rural development. The course will cover areas of rural development; agriculture; health; education; home economics; and co-operatives. The choice of an appropriate development strategy: Industrial Development in Rural areas; Increase in Agricultural Production; increase in GNP; Preference for large farmers; Encourage small and medium farmers; Include farmers in the development process; Basic need strategy; or/and nutritional improvement and development of the rural poor. It will also cover meaning of institutions; coordination among different institutions; principle of self-sufficiency of an institution; local self-government; local governments' features, objectives and strategies; and devolution plan, objectives and strategies.

**Suggested Books:**

1. Shah, A. (Ed.). (2006). Local governance in developing countries. World Bank Publications.
2. Chang, H. J. (2002). Kicking away the ladder: development strategy in historical perspective. anthem Press.
3. Farazmand, A. (Ed.). (2002). Administrative reform in developing nations. Greenwood Publishing Group.
4. Lewis, D. (2006). The management of non-governmental development organizations.
5. Cornelius, P., Cornelius, P. K., & Kogut, B. M. (Eds.). (2003). Corporate governance and capital flows in a global economy (Vol. 1). Global Outlook Book.

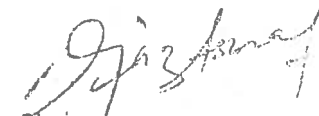
  
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Dept of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

This course focuses on the voluntary organization, their organizational culture, hierarchy and authority, reporting systems, compositions affiliations and location. The course aims to give a clearer analytical and practical understanding of the concept, character and functions of civil society both in general and in contextual terms. While recognizing that civil organizations can play a number of potentially positive roles, to concentrate on those 22 activities which can enhance the quality of political life and governance in different societies. The course also provides insight into developing practical measures which can strengthen civil society and enhance its impacts as an agent for improving political life and governance – with particular emphasis on seeking ways to improve government policies toward poor, excluded and vulnerable groups and to strengthen their access to and influence on the policy process.

**Suggested Books:**

1. Lewis, D. (2014). Non-governmental organizations, management and development. Routledge.
2. Riddell, R. C., & Robinson, M. (1995). Non-governmental organizations and rural poverty alleviation. Oxford University Press.
3. Fowler, A. (Ed.). (2013). Striking a balance: A guide to enhancing the effectiveness of non-governmental organisations in international development. Routledge.
4. Chimiak, G. (2014). The rise and stall of non-governmental organizations in development. Polish Sociological Review, 185(1), 25-44.



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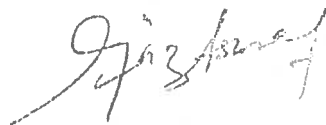
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College of Agriculture, University of Sargodha  
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**Contents:**

The course will give an insight on impact of population growth on development in the global context as well as with respect to Pakistan. The course includes defining demography, its scope, importance and the major global trends in population growth. Determinants of fertility, mortality and migration. Age and sex composition, population determinants, Population distribution, population utilization, population control measures, Rural and urban settlements and measurement of urbanization are addressed in different economic and political developmental contexts. Population and quality of life. The course also focuses on human resources as the interface between population trends and other aspects of development.

**Suggested Books:**

1. Knight, J., & Song, L. (1999). The rural-urban divide: Economic disparities and interactions in China.
2. Lynch, K. (2005). Rural-urban interaction in the developing world. Taylor & Francis.
3. Murphy, K. (2010). Fears and fantasies: modernity, gender and the rural-urban divide. Peter Lang.
4. Knight, J., Shi, L., & Song, L. (2006). The rural-urban divide and the evolution of political economy in China. Human development in the era of globalization: Essays in honor of Keith B. Griffin, 44-63.
5. Moore, M. (1984). Political economy and the rural-urban divide, 1767-1981. The Journal of Development Studies, 20(3), 5-27.



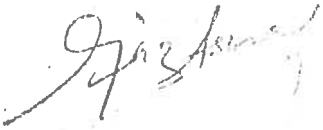
Ghazala  
Dept. of Agricultural Extension and Communication  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

Introduction to Human Resource Management, Functions & responsibilities of human resource management, purpose and rational of human resource management system, skills needed for HRM, HRM processes, Human resource management strategies and analysis, Job analysis and talent management process, personal planning and recruiting, employee selection process, training and development, types of training in HRM, performance management, appraisal and assessment, managing careers, retention and motivation, compensation and benefits, building positive employee relations, safety, health and risk management, managing global human resources, managing human resources in small and medium enterprises, strategic planning and management, human resource planning, successful employee communication.

**Suggested books:**

1. Bernardin, H. J., & Russell, J. E. (2006). Human resource management (p. 736). New York: Tata McGraw-Hill.
2. Legge, K., & Legge, K. (1995). What is human resource management? (pp. 62-95). Macmillan Education UK.
3. Mathis, R. L., & Jackson, J. H. (2008). Human resource management. Thomson/South-western.
4. DeCenzo, D. A., Robbins, S. P., & Verhulst, S. L. (2016). Fundamentals of human resource management. John Wiley & Sons.
5. Stone, R. J., Cox, A., & Gavin, M. (2020). Human resource management. John Wiley & Sons.
6. Stone, D. L., & Deadrick, D. L. (2015). Challenges and opportunities affecting the future of human resource management. Human Resource Management Review, 25(2), 139-145.



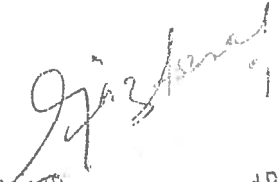
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Topic	Details
Semester/Level	In some discipline 5 <sup>th</sup> semester and in some discipline 6 <sup>th</sup> Semester/ BS (5 <sup>th</sup> Semester intake) 1 <sup>st</sup> / 2 <sup>nd</sup>
Course Code	URCG-5111
Course Title	Translation of the Holy Quran - III
Credit Hours	Non-Credit
Objectives	<ul style="list-style-type: none"> <li>To introduce ethics and highlight its importance, need and relevance for individual and collective life.</li> <li>To illuminate the students with the Quranic norms of Morality i.e. truthfulness, patience, gratitude, modesty, forgiving, hospitality etc.</li> <li>To familiarize the students with immoral values like falsify, arrogance, immodesty, extravagance, backbiting etc.</li> <li>To inculcate ethical and moral values in our youth.</li> <li>To develop a balanced dynamic and wholesome personality.</li> <li>To introduce the students to Quranic Arabic grammar in practical manner.</li> </ul>
Course Contents:	<p>○ اخالق (تعارف، ضرورت و اہمیت، اقسام، معنویت)</p> <p>اخالق حسنہ :</p> <ul style="list-style-type: none"> <li>برائی کو نیکی سے مٹانا</li> <li>نیکی کے کاموں میں مسابقت</li> <li>لوگوں کے درمیان صلح</li> <li>عدل و انصاف</li> <li>سچائی</li> <li>اپنا کار</li> <li>سليم قلب</li> <li>مہمان نوازی</li> <li>لغویات سے اعراض</li> <li>عاجزی و انکساری</li> <li>نگاہ اور آواز کو بہت رکھنا</li> <li>چال میں مہمانہ روی</li> <li>شرمگاہوں کی حفاظت</li> <li>صبر</li> <li>شکر</li> <li>امور میں مہمانہ روی</li> </ul> <p>اخالق سرکھ :</p> <ul style="list-style-type: none"> <li>ظلم اور زیادتی</li> <li>غرور و تکبر</li> <li>نفسانی خواہشات کی پیروی</li> <li>بدگمانی</li> <li>جھوٹ</li> <li>چغلی اور نہمت</li> <li>تمسخر اور شیخی خوری</li> <li>لہو و لعب</li> <li>برے ناموں سے ہکارنا</li> <li>احسان چاہنا اور تکلیف دینا</li> <li>فضول خرچی اور حد سے بڑھنا</li> <li>حمد اور ننگ دل</li> </ul> <p><i>(Signature)</i></p> <p>Chairman Dept. of Agricultural Extension and Rural Studies College of Agriculture, University of Sargodha Sargodha</p>

بے پرگی •

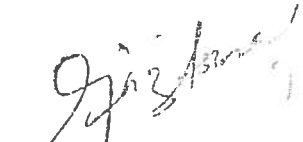
Grammar:

• قرآنی عربی گرامر کے اصول اور ازکے اطلاقات (من قرآنی ہر اطلاق سے  
توضیحات )

  
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Details of  
Chapters and  
verse Numbers:

- جزئ خب آيات مع ترجمه و تاجويد
- البقره (٤٨٧، ١٤٨، ١١٧، ٣٤٧، ٨٤، ٨١٧، ٨٤٧، ٨١٧، ٨٢٧، ٣٢، ٤٥٨، ٨٧٧)
- ١٨، ٨٨٨، ١١، ٨٢٧، ٢٥٧، ١٢٧، ٢١٧، ٥٢٨، ٣٢٨، ٨٢٨، ٨٧٨، ١٢، ٧٣٨، ١٧، ٥٣، ٥٨٧، ٢٤٨، ١٨، ٧١، ٣٢، ٢٨٨، ٤٢٧، ٢١)
- آل عمران (٣٣٧، ٤٨٧، ١١٨، ١٧، ٤٥٧، ٥٣٧، ٢٥٧، ٨٣٧، ٤٢٧، ٥٨، ٥٧، ٥٤٧)
- ٥٧٧، ٥١٧، ٥١٧، ٢٨، ٢٨، ٢١، ٧٥٧، ١٥٧، ٢٤٧)
- النساء (١٥، ٥٨، ٤٨، ٢٣، ٣١٧، ١٨، ١٨، ٥٤، ٤١٧، ١١٧، ٢١٧، ٨٨، ٣٨، ٤٣٧)
- ٥٨، ١٤)
- المائدة (٢٧، ٧٥، ٢، ٣٧، ٣٢، ١٤، ٢٤)
- النحل (٤٨٧، ٢٨٧، ١٣، ٣٧٧، ٤١٧، ٢٨٧، ١٢)
- الرعد (٢، ٨٨، ٥٨، ١٨، ٤٨)
- العراف (٧٢، ٤٢، ٢٢٧، ٥٥٧، ١٨، ٥، ١٥، ٢٥٧، ٧٤، ٢٢، ٧٣)
- القصص (٥٢، ٥٤)
- فصلت (٥٣)
- النعام (١٢٧، ٤٤٧، ١٣٧، ١١، ١١، ٨٣)
- النمل (٢٥، ١٢)
- الحج (١١، ٢٢، ١٢، ٢٤، ١٣)
- الحجرات (١٧، ٤٧، ٨٧، ٣، ٧٧، ٢، ٧٧، ٢)
- الحزاب (٤٣، ٥٨، ٤٣، ٢٤، ٤٤، ٨٤، ٢٤، ٢٤، ١٤، ٣٨)
- الحشر (٢)
- طه (٨١)
- النعام (١٨٧، ٣٢، ٧٤٧، ٢٧٧، ٧٥٧، ٥٢٧)
- ق (٥٣)
- الزمّل (٧٢، ٢٥، ١٨)
- النّوح (٤٧)
- يونس (٨٨، ٨٨، ٢٢، ٨٧، ٢٧، ١٧)
- ثورقان (٣٢، ١٢، ٧٨، ٣٢)
- الزور (٨٨، ٧٣، ٧٢، ٣٣، ٣٣، ٧٣، ١٣، ٥، ٢، ٣٨)
- لقمان (٢٧، ٨٣، ٢٧، ٣٣، ٢)
- السراء (١٣، ٤، ١٧٧، ١٣)
- المزمّل (٢٧)
- المدثر (٥، ٢)
- المدثر (٥١)
- فاطر (٨٣)
- لنّاح (٢٨)
- البلاد (١٧)
- الزمر (١٧، ٣)
- الحجر (٤٢)
- النجم (٧٣)
- الرحّ مّن (١٢)
- هود (٣، ٨١٧، ٢)
- الكهف (٢٤، ٨)
- الشورى (١٣)
- غافر (١٨، ٢٨)
- الحديد (١٨، ١٨)
- مريم (٢٤)
- النازعات (٧٥)
- الثوبه (١١، ٥٢، ٤٢)
- الهمزه (٧)

  
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## SEMESTER-VII

DEVS-5125

Gender and Development

3(3-0)

### **Contents:**

Concept and definition of gender, concept and definition of development, development with an understanding of changing, gender dynamics and development, exploring attitudes towards Gender, social construction of gender, gender roles, types of gender roles, gender roles and relationships matrix, gender-based division and valuation of Labour, gender equality and equity, and gender empowerment, gender mainstreaming strategy, factors in development, emergence of the first world, second world and the third world, characteristics of the third world countries, issues in the third world countries specific to Asia, Approaches to Gender and development (Women in development-WID, Women and Development-WAD, Gender and Development-GAD, women empowerment issues and dimensions), development approaches (welfare, equality, anti-poverty, efficiency and empowerment), gender reform action plan, Millennium Development Goals-MDGs and Sustainable Development Goals-SDGs.

### **Suggested books:**

1. Ahojja-Patel, Krishna. 2007. Development has a woman's face: insights from within the U. N. World Societies in Transition. New Delhi: APH Publishing.
2. Chow, Esther Ngan-ling. 2002. Transforming Gender and Development in East Asia. New York: Routledge.
3. Cornwall, Andrea .2007. Feminisms in Development. London: Zed Books.
4. Kapadia, Karin. 2002. The Violence of Development. London: Zed Books.
5. Moghadam, Valentine M. 2003. Modernizing women: gender and social change in the Middle East: Women and Change in the Developing World Series. Colorado: Lynne Rienner Publishers
6. Narasaiah, M. Lakshmi. 2006. Women and Development. New Delhi: Discovery Publishing House.
7. Nussbaum, Martha C. 2000. Women & Human Development: The Capabilities Approach. Cambridge: Cambridge University Press.
8. Visvanathan, Nalini. 2005. Women, Gender and Development Reader. New Delhi: Zubaan

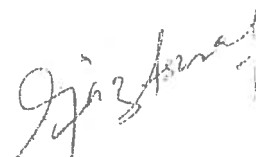
*G. J. J.*  
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture, University of Sargodha  
Sargodha

**Contents:**

Concept of religion and development, religion, social exclusion and development, economic development to human development, relearning religion (connecting theory with practice), Islamic concept of development, Religion as an agent of development, Working with different religious traditions, Faith-based Organizations (FBOs) and development, FBOs and NGOs in a comparative perspective of development, Religion, Gender and Development nexus, religion and health, religion and human rights, religion and peace-building, religion and environment. Islamic terms related to sustainability, principles of sustainability (Islamic perspective), Islamic values and sustainable development.

**Suggested books:**

1. Bompani B. and Frahm-Arp M. (2010), Development and Politics from Below, Exploring Religious Spaces in the African State, Palgrave-MacMillan, London.
2. Clarke G. & Jennings M. (2008) Development, Civil Society and Faith-Based Organizations. Bridging the Sacred and the Secular.
3. Bornstein E. (2003) The spirit of development: Protestant NGOs, morality, and economics in Zimbabwe.
4. Marshall K. & Van Saanen M. (2007), Development and Faith. Where Mind, Heart, and Soul Work Together.
5. Deneulin S. and Bano M. (2009) Religion in Development: Rewriting the Secular Spirit, Zed Books.
6. Tyndale W.R. (2006), Visions of Development. Faith-Based Initiatives.
7. Ter Haar G. (2011) Religion and Development: Ways of Transforming the World.
8. Benthall J. (2006). Islamic Aid in a north Malian enclave in Anthropology Today.

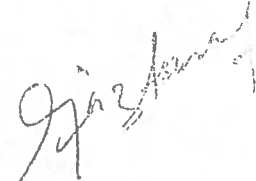
  
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College of Agriculture University of Sargodha

**Contents:**

Introduction to computer applications in development studies, introduction to spread sheet in relevant packages; internet information on local and development issues reports, literature data, publication, computer data analysis programmes. GIS and Remote sensing, Information and communication technologies for development, Software used in socioeconomic development, ICT for education, health, livelihood, and for people with disabilities, ICT4D Appropriate technology, Development informatics, Artificial Intelligence for Development.

**Suggested Books:**

1. Chiles, J. P., & Delfiner, P. (2009). Geostatistics: modeling spatial uncertainty (Vol. 497). John Wiley & Sons.
2. Rigaux, P., Scholl, M., & Voisard, A. (2002). Spatial databases: with application to GIS. Morgan Kaufmann.
3. Martín-Gutiérrez, J., Saorín, J. L., Contero, M., Alcañiz, M., Pérez-López, D. C., & Ortega, M. (2010). Design and validation of an augmented book for spatial abilities development in engineering students. *Computers & Graphics*, 34(1), 77-91.
4. Longley, P. (2003). *Advanced spatial analysis: the CASA book of GIS*. ESRI, Inc.

  
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Sargodha

**Contents:**

Concept of land reforms; justification/rational and significance of land Reforms; objectives (political social and economic) of land reforms, components of a land reform strategy, history of land reforms, land reforms in Pakistan, from land reform to agrarian reform, agrarian reforms defined, types of land reforms, the structure of third world agrarian system, uni-modal and bimodal strategies of agrarian change, agrarian transition, urban bias, evaluation criteria/success of land reforms, Agrarian transformation system, rural bias and industrialization, rural industrialization, its burdens and benefits, subsistence agricultural & rural development, agrarian reforms, rural development & poverty nexus, the socio-political milieu and rural development and operational guidelines & framework for agrarian reforms and rural development policy.

**Suggested Books:**

1. Sobhan, R. (1993). *Agrarian reform and social transformation: preconditions and development*. Zed Books.
2. El-Ghonemy, M. R. (2006). *The political economy of rural poverty: the case for land reform*. Routledge.
3. Rosset, P., Patel, R., & Courville, M. (Eds.). (2006). *Promised land: competing visions of agrarian reform*. Food First Books.
4. Akram-Lodhi, A. H. (2007). Land reform, rural social relations and the peasantry. *Journal of Agrarian Change*, 7(4), 554-562.
5. Ghimire, K. B. (2001). *Land reform and peasant livelihoods: the social dynamics of rural poverty and agrarian reforms in developing countries*. ITDG Publishing.
6. Lipton, M. (2009). *Land reform in developing countries: Property rights and property wrongs*. Routledge.

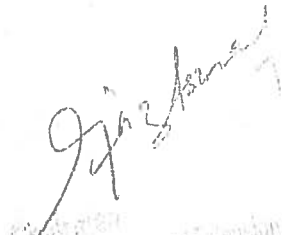
  
Chairman  
Dept. of Agricultural Extension and Rural Studies  
College of Agriculture University of Sargodha  
Sargodha

**Contents:**

Agrarian transformation and rural economy, agricultural support services, link between agricultural development with rural economy, models of agricultural growth, determinants of rural/urban disparity, linking farm with non-farm income, agricultural technology transfer, policy issues in agricultural development, land tenure system in Pakistan, land acquisition and rural economy, rural enterprise development, micro-credit strategies and rural development, Islamic finance and rural development, value chain/supply chain/ value addition, its process and management, agro-based industry and rural development

**Suggested Books:**

1. Archibugi, F and P. Nijkamp, ed. 1989. Economy and Ecology: Towards Sustainable Development. Dordrecht, The Netherlands: Kluwer Academic Publishers.
2. Todaro, M. P. and S.C. Smith. 2003. Economic Development (Eighth Edition). Pearson Education, Singapore.
3. Dil, A. 2000. Hunger, Poverty and Development. Froze Sons, Lahore, Pakistan.

  
Coordinator  
Dept. of Agricultural Extension and Rural Studies  
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Singapore

**Contents:****Theory**

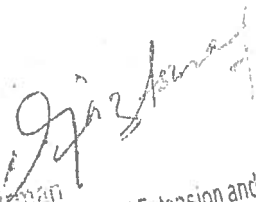
Introduction to scientific/technical writing, Writing as means of communication in professional and scientific fields, Different forms of scientific writing, Essentials/steps for successful writing, Types of paper publications, Parts (structure and contents) of a scholarly manuscript/research proposal, Differences between technical and scientific writing, Writing a Research proposal/research paper/technical articles, Writing pamphlets and brochures, Why referencing is important? Writing references/citations for academic and scientific research papers, Writing sequential numerical references for a Research Paper, Introduction to American Psychological Association (APA) writing manual for social science research

**Practical**

1. Every student will be required to write technical articles/reports on given topics
2. Present their topic in the class
3. Moreover, will critically evaluate and edit reports prepared by other students
4. Each student will present in class

**Suggested Books:**

1. Wallwork, A. (2011). *English for writing Research Papers*; Springer New York Dordrecht Heidelberg London.
2. Gustavii, B. (2008). *How to write and illustrate scientific papers?* (2<sup>nd</sup>ed.); Cambridge University Press, UK.
3. Hofman, A. H. (2009). *Scientific Writing and Communication: Papers, Proposals, and Presentations*; Oxford University Press, USA.
4. APA. (2006). *Publication Manual of the American Psychological Association* (6<sup>th</sup>ed.); American Psychological Association, USA.
5. Council, S. E. (2006). *Scientific Style and Format: the Council of Science Editors Manual for Authors, Editors, and Publishers*; CSE, Scientific Style and Format.

  
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Sargodha

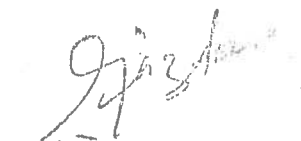
**URCG-5111 Translation of the Holy Quran – IV Non-Credit**

Topic	Details
Semester/Level	In some discipline 7 <sup>th</sup> semester and in some discipline 8 <sup>th</sup> Semester/ BS (5 <sup>th</sup> Semester intake) 3 <sup>rd</sup> / 4 <sup>th</sup>
Course Code	URCG-5111
Course Title	Translation of the Holy Quran - IV
Credit Hours	Non-Credit
Objectives	<ul style="list-style-type: none"> <li>• To familiarize the students with commandments of trade and inheritance mentioned in the Quranic text (with the help of Urdu translation).</li> <li>• Students</li> <li>• To introduce the students to scientific facts and miracles of the Holy Quran and Quranic stress on deep study of Allah's explored universe.</li> <li>• To motivate the students for reading and exploring the last Holy Book revealed by Almighty Allah.</li> <li>• Through memorization students will develop their relation with last revelation.</li> </ul>
Course Contents:	<p>○ تجارت اور وراثت:</p> <ul style="list-style-type: none"> <li>• مال کی تسہیم</li> <li>• نادان کا مال</li> <li>• عوام الناس کا مال</li> <li>• عورتوں کا مال</li> <li>• یتیموں کا مال</li> <li>• کفار کا مال</li> <li>• جائز مال</li> <li>• معاہدے</li> <li>• رہن</li> <li>• قرض</li> </ul> <p>○ سائنسی حقائق:</p> <ul style="list-style-type: none"> <li>• نخلہ قح کا انبات</li> <li>• اجرا ہم نیکی</li> <li>• شجر و حجر</li> <li>• زمین و آسمان کے اسرار</li> <li>• ہوائیں اور طوفان</li> <li>• بہاؤ اور مویشی</li> <li>• حشرات الارض</li> <li>• پہاڑ اور سہاڑ</li> </ul>
Grammar :	<ul style="list-style-type: none"> <li>• قرآنی عربی گرامر کے اصول اور انکے اطلاقات (منہ قرآنی پر اطلاق سے توضیحات)</li> </ul>

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	<ul style="list-style-type: none"> <li>■ الكهف (٧٤، ٢١٧، ١٥، ٨٣، ٤٥، ١٧، ٤٥)</li> <li>■ الجاثية (٤)</li> <li>■ فاطر (١٨، ٨٧، ٣٧)</li> <li>■ الهنكوت (١٨، ٣٢، ٧٥)</li> <li>■ الروم (١٤)</li> <li>■ السراء (١١، ٢٢)</li> <li>■ الرعد (٨)</li> <li>■ السبا (١٧، ٣، ٨٨)</li> <li>■ يونس (٢٢، ٧١٧، ٥٨، ٥٨، ٤، ٨٨)</li> <li>■ يوسف (٥٢، ٥٧)</li> <li>■ لفرقان (٨٢، ٣٤)</li> <li>■ لقمان (٢٨، ٢٧)</li> <li>■ طه (٥٧٧، ٣٤)</li> <li>■ النحل (٤١، ٧٧، ٧٢، ٢٥، ٢١، ٢٢، ٢٢، ٢٢، ٢، ٢، ٢)</li> <li>■ النمل (٥٢، ٥٢، ٢٢، ١٢، ٨٢، ٢٧، ١٧، ٢٧)</li> <li>■ المسجده (١٨)</li> <li>■ الحديد (٢)</li> <li>■ هود (٣٥، ٢)</li> <li>■ يونس (١٣، ٧٥)</li> <li>■ الروم (٢٣، ٢٣، ١٤، ٢٧، ٥٨، ٢٥)</li> <li>■ فصلت (٢٢، ٢٢)</li> <li>■ الحج (٧٢، ٤٢، ٨٨، ٣١)</li> <li>■ الحجر (٢٧، ٨٨)</li> <li>■ الزبهاء (٧٣، ١٣، ١٥)</li> <li>■ الزاريات (١٥)</li> <li>■ الزلزله (٧)</li> <li>■ القصص (٢١، ٢١، ١٢، ٧٢، ٨٢)</li> <li>■ النور (١٣، ٨٨، ٨٨، ١٥، ٤٥، ٣٥)</li> <li>■ الجمعه (٧٧، ٨٢، ١٧، ٧٧، ٤)</li> <li>■ القمر (١)</li> <li>■ الواقعه (٢٢)</li> <li>■ الفاطر (١٨، ٣٧)</li> <li>■ الملك (٢٧)</li> <li>■ الصف (١٧)</li> <li>■ الجن (٣٧)</li> <li>■ الثور (٢٨)</li> <li>■ الزخرف (٧٧)</li> <li>■ ثبول (٧)</li> </ul>
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**SEMESTER-VIII****DEVS-5131****Capstone Project****3(0-3)**

In the world universities degree programs particularly in undergraduate programs, the capstone project (CP) has become pivotal. It may be of different forms but its core objective does not change. The CP makes the student able to work independently in group research with the purpose of devising a state-of-the-art solution for any existing global problem. Though CP project is sometimes challenging but in long run it becomes rewarding for the students of the universities. The CP is generally considered as the final project or the assignment, but it plays a vigorous role developing students research abilities to compete in the world in research and technology and it hones students research skills and knowledge. The CP course also paves the way for students to get contacted with industry partners and provides solutions to the world, in this way, a strong networking develops between students and industry and even between universities and industries.

***Contents***

1. What is Capstone Project?
2. Significance of Capstone Project
3. Misconceptions
4. Role of Supervisor, Coordinator, and Capstone Team.
5. How to choose Supervisor?
6. Evaluation Criteria
7. Get others know your work
8. Capstone proposal development including abstract, project success criteria, supervisor selection, and Dos and Donts.
9. Capstone proposal (Research) including abstract, background, research methodology, project scope. Functional specifications/requirements including project code, internal advisor, external advisor if any, project manager, project team, and submission date. While, non-functional requirements are performance requirements, safety requirements, security requirements, user documentation.
10. Literature review-elaboration of problem. Appendices, references.

***Recommended Texts***

1. Hauhart, R. C., & Grahe, J. E. (2015). Designing and teaching undergraduate capstone courses. John Wiley & Sons.
2. Bemker, M., & Schreiner, B. (Eds.). (2016). The DNP degree & capstone project: A practical guide. DEStech Publications, Inc.
3. Ghafoor, A. (2016). *Manual for synopsis and thesis preparation*. Faisalabad, University of Agriculture Press.
4. Clear, T. (2009). Thinking Issues: the three p's of capstone project performance. ACM SIGCSE Bulletin, 41(2), 69-70.
5. Relevant latest literature on target issues.

***Suggested Readings***

1. Forestell, J. (2018). Capstone Project (Doctoral dissertation, Hamline University).
- Reviews, research articles
2. Illustrated Manuals, Compendiums
  3. Pocket books

DEVS-5132

**Internship/Research Project and Report Writing**

3(0-3)

The research process allows you to gain expertise on a topic of your choice, and the writing process helps you remember what you have learned and understand it on a deeper level. Knowing how to write a good research proposal, paper, thesis or dissertation is a valuable skill that will serve the students well throughout their career. Whether you are developing a new product, studying the best way to perform a procedure, or learning about challenges and opportunities in the field of employment, the one will use research techniques to guide his or her exploration. The students may even need to create a written report of the research findings. Since effective communication is essential to any company, employers seek to hire people who can write clearly and professionally. The purpose of this course is to develop technical writing ethics and skills in students in the field of agriculture. Students will learn different writing styles and they will prepare research synopsis, research proposals and thesis in given writing style. At the completion of this course, the students will be able to develop research project, write and develop scientific articles, papers & reports and cite and quote references in proper writing style.

**Contents**

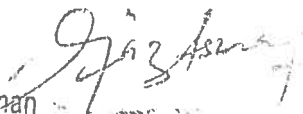
Concepts of Research, reviewing of related literature, conducting literature searches , Selecting a research problem, identification and classification of variables, Developing research hypothesis, Use of Scientific Quotations, Illustrations, Statistics and Abbreviations, Different writing styles , Use of APA writing style, Quantitative and qualitative data collection, Use of SPSS software for data analysis, Writing research report, Conducting qualitative research and citing references, Project formulation process, Project cost & financing, Preparing PC-I, Scientific Report writing, parts of a scientific manuscript, Editing and proofreading of manuscripts

**Practical**

Each student will develop a research project and will prepare research proposal or synopsis for the same. He/ She will be required to write a scientific article on a given topic related to agricultural extension.

**Suggested Books:**

1. Forsyth. (2010). *A Guide for students preparing written thesis, research papers, or planning projects: working with a forsyth* (3<sup>rd</sup> ed.); SAGE Publications
2. Booth, W., Gregory G. C. & Joseph M. W. (2008). *The craft of research* (3<sup>rd</sup> ed.); Chicago: University of Chicago Press.

  
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