



# The Islamia University of Bahawalpur

## Department of Agronomy

University College of Agriculture & Environmental Sciences

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### Tentative Course Plan

**Class:** B.Sc. (Hons.) Agriculture

<b>Instructor</b>	Dr. Muhammad Aurangzaib	<b>Email Address</b>	<a href="mailto:maurangxaib@gmail.com">maurangxaib@gmail.com</a>
<b>Course Title</b>	Basic Agriculture	<b>Program</b>	B.Sc. (Hons)
<b>Course Code.</b>	AGR-301	<b>Credit Hours</b>	3(2-1)

#### Course Objective:

To familiarize students with basics of agriculture and Pakistan's agriculture system

#### Methods of Teaching:

- Group activities and discussion
- Assignments
- Audiovisual aids lectures
- Web-assisted instruction

#### Resource Material

#### Recommended Books:

1. Abbas, M. A. 2006. General Agriculture. Emporium Urdu Bazar, Lahore
2. Balasubramanian. 2004. Principles and Practices of AGRomY. Agrobios, Jodhpur, India.
3. Bashir, E. and R. Bantel. 1996. Soil Science. National Book Foundation, Islamabad.
4. Cheema, Z.A. and M. Farooq. 2007. Agriculture in Pakistan. Allied Book Centre, Urdu Bazar, Lahore.
5. Khalil, I.A and A. Jan. 2002. Cropping Technology. National Book Foundation, Islamabad.
6. Khan S.R.A. 2001. Crop Management in Pakistan with Focus on Soil and Water. Directorate of Agricultural Information, Punjab, Lahore.
7. Nazir, M.S. 1994. Crop Production. National Book Foundation, Islamabad.
8. Qureshi, M.A. M.A. Zia and M.S. Qureshi. 2006. Pakistan Agriculture Management and Development. A-One Publisher, Urdu Bazar, Lahore.

#### Office Help Hours

Monday to Friday : 8:30 am to 04:00 pm

#### Grading

Exam (Date to be announced)  
Mid exam (30%)  
Final exam (50%)  
Practical exam (15%)  
Assignments (5%)

### SEQUENCE OF TOPICS TO BE COVERED

Lecture No.	Topic	Practical
1, 2 & 3	Introduction, history & Importance	
4	Branches & allied sciences	
5 & 6	Salient features of Pakistan's agriculture	<b>Land Measuring Units</b>
7, 8	Climate (Introduction, Classification systems)	Demonstration of hand tools and tillage implements

<b>09</b>	Land and Water resources	Identification of meteorological instruments
<b>10, 11</b>	Agroecological zones of Pakistan	
<b>12</b>	Farming system	Identification of crop plants, weeds and seeds.
<b>13</b>	Tillage (Introduction, Objective & types)	
<b>14</b>	Seed (Introduction & types)	
<b>Mid Term Exam</b>		
<b>15, 16 &amp; 17</b>	Manure & fertilizer (Introduction, sources methods of application)	Identification of organic and inorganic fertilizers.
<b>18, 19 &amp; 20</b>	Irrigation: systems, types and management.	
<b>21, 22</b>	Crop protection measures	Identification of organic and inorganic fertilizers.
<b>20, 21</b>	Crop rotation	
<b>23, 24 &amp; 25</b>	Harvesting, processing, storage and marketing of farm produce	
<b>26</b>	Agro-based industries	Demonstration of various irrigation methods
<b>27, 28 &amp; 29</b>	Environmental pollution and health hazards.	Field visits.
<b>30</b>	<b>Final Term Exam</b>	

#### **Student Evaluation criteria:**

Attendance	5%
Workshop / Assignments / Case study	5%
Surprise test / Quiz test	5%
Class participation	5%
Mid term paper	30%
Final term paper	50%
Total	<b>100 %</b>

#### **Student Responsibilities:**

Absent to attend the class may result in failure in the course. Students must also arrive on time and remain in class for the entire period. Cell Phones must be Turned off (Proper classroom decorum adopts, Course outlines and calendars explain requirements and assignments, students are responsible for knowing what they say. Students are also responsible for doing all assigned work on time. Excessive absences (more than 03) will result in "F Grade". Students may prepare Sketchbook for taking notes and for references.

#### **Course Incharge**

Dr. Muhammad Aurangzaib