

**INSTITUTE OF SOIL AND ENVIRONMENTAL SCIENCES**  
**UNDERGRADUATE COURSES TO BE OFFERED DURING**  
**WINTER SEMESTER, 2014-15**  
**B.Sc.(Hons.)Agri. (Soil Science)**

**I – Semester**

SES-101      Geology, Soil and Environment      4(3-1)

Section	Name of Teacher (2014-15)
I	Dr. Muhammad Saqib*, Dr. Safdar Bashir
J	Dr. M. Aamer Maqsood, Dr. Muhammad Sabir
K	Dr. M. Javed Akhtar, Ms. Sadia Bibi
L	Dr. M. Naveed, Ms. Sadia Bibi
M	Dr. Saif Ullah, Ms. Sadia Bibi
N	Dr. Muhammad Iqbal, Dr. Safdar Bashir
O	Dr. Hammad R. Ahmad, Dr. Zulfiqar Ahmad Saqib
P	Dr. Abdul Wakeel, Dr. Hamaad Raza Ahmad
Q	Dr. Tariq Aziz, Dr. M. Aamer Maqsood

**\* Incharge Exams. SES-101**

**V- Semester**

SES-301	Physical Properties of Soils	4(3-1)	Dr. Muhammad Iqbal
SES-303	Chemical Properties of Soils	4(3-1)	Dr. Saif Ullah Dr. Muhammad Sabir
SES-305	Soil Survey	2(1-1)	Dr. Hamaad Raza Ahmad Dr. Muhammad Iqbal
SES-307	Instrumentation and Laboratory Techniques	2(0-2)	Dr. M. Anwar-ul-Haq Dr. Zulfiqar Ahmad Saqib
SES-309	Applied Mathematics for Soil and Environment	3(3-0)	Dr. Anwar-ul-Hassan One teacher from Dept. of Mathematics and Statistics

**ELECTIVE COURSES**

SES-311	Plant Growth under Stress Environment	3(2-1)	Dr. Zulfiqar Ahmad Saqib Dr. M. Anwar-ul-Haq
SES-313	Microbial Ecology and Plant Growth	3(3-0)	Dr. Zahir A. Zahir Dr. Muhammad Naveed
SES-315	Municipal Wastes and Transformation	2(2-0)	Dr. M. Javed Akhtar Dr. Muhammad Khalid
SES-317	Soil Fertility Evaluation	2(1-1)	Dr. Tariq Aziz Dr. Abdul Wakeel Dr. M. Aamer Maqsood

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## VII – Semester

SES-401	Soil Microbiology and Environment	4(3-1)	Dr. Hafiz Naeem Asghar Dr. Muhammad Naveed
SES-403	Environmental Pollution and Management	3(3-0)	Dr. M.Javed Akhtar Ms. Sadia Bibi Dr. M. Zia-ur-Rehman Dr. Muhammad Usman
SES-405	Soil, Water and Environment Conservation	3(3-0)	Dr. Muhammad Sabir Dr. Zulfiqar Ahmad Saqib
SES-409	Elements of Soil Physics	3(3-0)	Dr. Safdar Bashir Ms. Sadia Bibi
SES-411	Preparation of Research Project and Scientific Writing	2(1-1)	Dr. Tariq Aziz Dr. Abdul Wakeel
STAT-401	Applied Statistics for Soil and Environment	3(2-1)	Department of Math. and Statistics

## ELECTIVE COURSES

SES-407	Saline Agriculture	2(2-0)	Dr. M. Anwar-ul-Haq Dr. Zulfiar A. Saqib
SES-413	Experimental Planning	2(2-0)	Dr. Abdul Wakeel Dr. Muhammad Sabir

## COURSES FOR OTHER DEPARTMENTS

SES-502	Soils Science for Engineers “Section A”	3(2-1)	Dr. Muhammad Sabir Miss Sadia Bibi
SES-502	Soils Science for Engineers “Section B”	3(2-1)	Dr. Tariq Aziz Dr. Safdar Bashir
SES-502	Soils Science for Engineers “Section C”	3(2-1)	Dr. M. Javed Akhtar*

**\*Incharge Exams. SES-502**

**(DR. ZAHIR AHMAD ZAHIR)**  
Director

**(DR. MUHAMMAD USMAN)**  
Secretary Board of Studies