

IAAS BULLETIN

Course Catalogue of B.Sc. Agriculture

Tribhuvan University
Institute of Agriculture and Animal Science
Rampur, Chitwan, Nepal

Revised - 2011

SEMESTERWISE DISTRIBUTION OF COURSES FOR B.Sc.Ag. PROGRAM

Semester 1		Cr.Hr.
EXT 111	Rural Sociology	2+0
BCH 111	General Biochemistry	2+1
AEC 111	Principles of Economics	2+0
AGR 111	Principles of Agronomy	2+1
HRT 111	Introductory Horticulture	2+1
SSC 111	Fundamentals of Soil Science and Geology	2+1
LPM 111	Introductory Animal Science	2+1
WEP 111	Work Experience Program	<u>0+1</u>
		14+6
Semester 2		
PPH 121	Introductory Crop Physiology	2+1
MIB 121	Agricultural Microbiology	2+1
AEC 121	Farm Management, Production Economics and Planning	2+1
AGR 121	Cereal Crop Production	2+1
HRT 121	Ornamental Horticulture	2+1
SSC 121	Soil Fertility, Fertilizers and Integrated Nutrient Management	2+1
LPM 121	Ruminant Production	1+1
WEP 121	Work Experience Program	<u>0+1</u>
		13+8
Semester 3		
ECO 211	Environmental Sciences and Agro-Ecology	2+1
AEC 211	Agricultural and Environmental Economics	2+0
AGR 211	Grain Legumes and Oilseed Production	1+1
ENT 211	Introductory Entomology	2+1
HRT 211	Fruit and Plantation Crop Production	2+1
GEN 211	Introductory Genetics	2+1
LPM 211	Pig and Poultry Production	1+1
AMT 211	Introductory Agrometeorology	2+0
AQU 211	Introductory Ichthyology	<u>1+1</u>
		15+7
Semester 4		
AGR 221	Commercial Crops	2+1
AGR 222	Principles and Practices of Seed Technology	2+1
AST 221	Agricultural Statistics	2+1
HRT 221	Vegetable and Spice Crop Production	2+1
PLB 221	Introductory Plant Breeding	2+1
SSC 221	Soil Physics, Genetics and Classification	1+1
AEN 221	Farm Power and Machinery	2+1
ANU 221	Fodder Production and Pasture Management	1+1
AQU 221	Principles of Aquaculture	<u>1+1</u>
		15+9

Semester 5

ECO 311	Medicine and Aromatic Plants	1+1
EXT 311	Fundamentals of Agriculture Extension	2+1
COM 311	Computer Application	0+1
ENT 311	Principles and Practices of Insect-Pest Management	2+1
HRT 311	Agroforestry	2+1
GEN 311	Genetics of Populations	2+0
PLP 311	Introduction to Plant Pathology	2+1
SSC 311	Introductory Soil Conservation and Watershed Management	2+0
ANU 311	Animal Nutrition and Feeding Practices	1+1
PRW 311	Project Work	<u>0+2</u>
		14+9

Semester 6

AEC 321	Nepalese Agriculture Development and Policy	2+0
EXT 321	Agricultural Communication	2+1
EXT 322	Social Mobilization and Community Development	2+0
ENT 321	Economics Entomology	2+1
HRT 321	Post Harvest Horticulture	2+1
PLP 321	Crop Disease and Their Management	2+1
ANB 321	Principles and Practices of Animal Breeding	2+1
AGR 311	Organic Agriculture	1+1
PRW 311	Project Work	<u>0+2</u>
		15+8

Semester 7

AEC 411	Agribusiness Management, Marketing and Cooperatives	2+1
AGR 411	Farming System and Sustainable Agriculture	2+1
AEN 411	Principles and Practices of Farm Water Management	2+1
ANU 411	Mountain Agriculture	1+1
BIT 411	Introductory Biotechnology and Biodiversity	2+0
ECO 411	Agrobiodiversity Management	1+1
ENT 411	Environmental Pollution and Protection	1+0
PRW 311	Project Work	<u>0+2</u>
		11+7

Semester 8

AEC 421	Agriculture Project Planning	2+1
AEC 422	Agri-Business Management	2+0
AEN 421	Farm Structure and Surveying	2+1
HNU 421	Applied Human Nutrition	2+0
LPM 421	Introduction to Dairy Science	2+1
UPA 412	Undergraduate Practicum Assessment	<u>0+3</u>
		10+6

Total: 167 Credit Hours

UNDERGRADUATE WORKING AND LEARNING EXPERIENCE

Course Code : UPA

Course Title : Undergraduate Practicum Assessment

Credit Hours : 3(0+3)

Full Marks : 75

Practical : 75

I. OBJECTIVES

The main objective of the Undergraduate Practicum Assessment is to provide opportunity of exposing the student in production problems, field works, research methodologies and documentation and create the 'Field Extension Laboratory' of the available improved inputs and technologies in the farm of IAAS as well as in the farmers' fields where and when possible.

II. STUDENTS DISTRIBUTION, STUDY DURATION AND EVALUATION

The student has to prepare 30-50 pages written manuscript, which include title, acknowledgement, contents, abstract, introduction, reviews of literature, materials and methods, result and discussion, summary and conclusion, references and appendices, then defend in the departmental level, improve as per suggestion of major and member advisor, approved by both of them and submit 5 copies of manuscript and 5 copies of article along with the electronic version to the Assistant Dean (Academics) for final approval.

1. Each department will enroll maximum of 15 students in the first come first entry and practicum assignment basis.
2. Study duration will be one semester, i.e. six month and the study will be field or lab or both as per recommendation of the advisor.
3. Student will be evaluated by his/her advisor based on the field, lab or both types of work performance (50%), document preparation (20%), department presentation/defense (20%) and question answer/viva (10%).
4. The practicum topic will be jointly decided by the student and the advisor.
5. Based on the season of agricultural crops and the crop duration to initiate practicum, the proposal defense will be conducted after completing the course examinations of the sixth semester or during seventh semester.
6. The student should present the proposal in the faculty meeting of the department for approval.
7. The student should conduct practicum on approved proposal.
8. After completing Undergraduate Practicum the student should prepare manuscript. The major advisor will go through the research study and suggest correction, if necessary before presentation in the department in presence of interested students and faculties.
9. The student should submit the complete manuscript hardcopy at the end of the eight semester.