



National Agriculture Education Accreditation Council



134

AIC Report

Prof. Dr. Muhammad Aslam
Naseer Alam Khan

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Department of Entomology
Bahauddin Zakariya University Bahadar Campus, Layyah

NAEAC Secretariat, Room# N-2, Sports Block, Old COMSATS Building, HEC, H-8/1, Islamabad

Ph# 051-90802681, 051-90802680 Fax#051- 90802682

Website: www.naeac.org, Email: infonaeac@yahoo.com

**Bahauddin Zakariya University Bahadar Campus, Layyah
Standards and Criteria for Agriculture Degree Program Evaluation
Entomology B.Sc (Hons) 2014-15**

Sr. No.	Criteria	Points Assigned	Points Awarded
Major Criteria			
1	Strength and Quality of Faculty	250	120
2	Curriculum Design and Development	150	125
3	Infrastructure and Learning Resources	200	120
4	Students Support and progression	100	40
Sub - Total (a)		700	405
Minor Criteria			
5	Research and Consultancy Activities	150	80
6	Governance and Leadership	100	70
7	Recent Innovations and Best practices	50	25
Sub - Total (b)		300	175
Grand Total (a+b)		1000	580
(Five hundred and eighty only)			58%

Name and Designation

Signature of Program Evaluator

EXECUTIVE SUMMARY

Bahauddin Zakariya University Bahadar Campus, Layyah was visited on March 18, 2015. B. Sc. (Hons.) Agricultural Entomology is being offered in the sub-campus. There is only one class, i.e, 6th semester, of specialization. Sufficient faculty is not available. There are only two teachers on IFPF. However, both the faculty members are well qualified and have good research productivity. Faculty has no proper offices. Teacher student ratio is slightly higher than required. There is no faculty development program in place. Lecture rooms and laboratory space is barely enough to meet the need of the present batch in the discipline of Entomology as a major subject. Enough field trips are arranged for the classes. Teachers and students are satisfied with working environment and academic program and extra-curricular activities.

Library is not fully equipped to meet the standard of specialized program in entomology. Computer facility is adequate for students and faculty members. Agriculture farm needs to be developed and more farm machinery is needed for research and practical. Transport facility for students and teachers is available for commuting to and from the farm.

It was observed that the degree program was offered without the induction of full time senior and regular faculty of adequate strength. Similarly, the existing Labs. inadequate to meet the present requirements of the six semester students. Very few recommended text books, limited space for faculty offices and undeveloped experimental research farm.

In view of the above the committee assess the program at 58 percent score with category 'Y2' rating not meeting some of the major criteria for accreditation.

INTRODUCTION

Bahauddin Zakariya University Multan was established in 1975. It is the largest university of South Punjab. Presently, it has more than 30 departments/institutes/colleges and is a degree awarding institute in more than 60 subjects. In order to cater to the needs of textile industry the University College of Textile Engineering was established in 2004. The University has also established three sub-campuses at Sahiwal, D.G. Khan and Layyah to provide education facility at the doorsteps of the people as part of the policy of the Government. However, sub-campus of D. G. Khan has been handed over to Ghazi University.

Layyah and the adjoining areas are rich in human capital and therefore, need was felt to setup a Sub-Campus of B. Z. University to cater the educational needs of Layyah and the neighbouring districts. Thus, Bahadur Sub-Campus at Layyah was established in 2009. This campus has started MBA, Agriculture, and M.A in Economics, English and Psychology classes.

Bahauddin Zakariya University Bahadar Campus, Layyah was visited by the AIC on March 18, 2015.

CRITERIAN WISE ANALYSIS

Strength and Quality of Faculty:

There is no senior faculty member in the Department of Entomology. Faculty consists of two freshly hired Assistant Professors on IPFP. The experience of the faculty ranges from six months to one and a half year. The In-charge (Principal) of the Agriculture is primarily appointed in the Faculty of Agriculture and Technology in the main campus at Multan and working on part-time basis in the sub-campus. He is the only Assistant Professor with more than 12 years' experience but is mainly working as administrator. He is not teaching any course at the sub-campus. Thus, the faculty is insufficient to meet the academic needs of the students and the department. Research productivity of the faculty is mainly dependent on the publications of one experienced person, who is permanent employee in the main campus. The other two have less than one year experience and therefore, were not expected to have reasonable number of publications. The teacher student ratio was calculated to be roughly 1:30, which is slightly higher than the desired (1:20) ratio. Moreover, no faculty development program for new teachers and no training program are in place.

Curriculum Design and Development:

Curriculum objectives are clearly defined and are relevant to the degree program. Very little use of information technology is integrated in the curriculum. Students do not have sufficient flexibility or choice of courses to take, but that is not the policy of the University. HEC curriculum is being followed. However, the students indicated that they were satisfied with the quality of instructions. Course completion was found satisfactory.

Course files and practical note books were available and well maintained but course review reports do not exist and maintained. Course coverage by the teachers was satisfactory. Meetings of the Board of Studies are held on the main campus. However, the minutes of the meetings were not maintained in the sub-campus.

Infrastructure and learning resources:

There are two class rooms for entomology classes. One laboratory, with the capacity of 25 students is available. One research laboratory is also available. This facility is sufficient for the current semester but not enough to cater to the needs of the classes when another class is admitted. Laboratory staff is not qualified and no safety measures in the laboratories are addressed. Students were satisfied with the theory and practical work.

Although there are about 3200 books available in the library, but only 51 books, including those (20) for which order for purchased has been placed, are related to Entomology. However, 111 books are available in the Department on a CD. However, text books requirement as per planned program of Entomology is not fully met. It could be enough for the existing strength of the students but not for the department after the arrival of new batch. Access to some journals is available through HEC digital library. there is shortage of journal in the form of hard copy in the library. Thus, the library facilities are inadequate to meet the requirement of the full program of Entomology.

Agriculture farm is available but most of it is not developed yet for practical and research work. However, some more area has been leveled since the last visit. Farm machinery is not enough to meet the standard of quality of the program.

Faculty does not have proper offices and teachers sit in the laboratory. Computer facility is available both for teachers the existing students.

Faculty is satisfied with the working conditions and environment. Students seem contented with the quality of instructions, transport, sports facilities and hostel accommodation.

Students Support and Progression:

Admission response is encouraging. Financial support is available to the students. Students do have scholarship opportunity other than the HEC scholarship. Sufficient hostel accommodation is available for male and female students. Play grounds are available, but need to be developed and upgraded to meet the standards. Transport facility is available but not sufficient for the students. First Aid kit is available in the University for emergency. Student can interact with teachers freely. Students' opinion is positive about the facilities but the Committee feels that there is a lot of room for improvement. Informal academic counseling is provided but not recorded properly.

Research and Consultancy Activities:

No research funds are received from HEC. No research project is in hand or submitted for funding and. Most of research papers are published by only one faculty member who is on a regular position in the main campus at Multan. Conferences were also attended by only one teacher. However, other faculty members have a small number of publications to their credit. Thus, the research productivity of the faculty is not satisfactory.

Governance and Leadership of Institution:

Administrative authority and organizational set up is clearly defined. Budget is very limited for efficient operational activity. However, needs of the Department are met to some extent. Rules and procedures are documented properly, but are kept in the main campus at Multan. No Placement Bureau exists at the moment. Calendar of activities was not available with the Department.

PARTICIPATORY SWOT ANALYSIS

Major Strength

- Faculty and students seem satisfied with working environment, transport and hostel facilities.

Major Weaknesses

- Shortage of full time regular, senior and experienced faculty.
- Laboratory equipment is grossly inadequate to meet the demand of the major subject.
- Very few recommended text books and other learning resources.
- Technical and non-technical support staff is insufficient.
- Lack of needed farm machinery and implements.
- Faculty offices and class rooms not enough and ill-equipped.

Actionable Recommendations

- Induction of senior Ph.D. qualified, regular faculty of at least five members.
- Establishment of well-equipped entomology Labs, and insectary
- Purchase of two sets of latest edition of prescribed text books and reference books.
- Faculty development program should be initiated for new faculty members.

- Separate and independent faculty offices and class rooms.
- Induction of qualified technical staff for labs and farm.
- Development of precision leveled experimental farm with needed farm implements and machinery.
- Strengthening of IT facilities and learning resources as well as access to HEC digital library.
- Provision of Seminar room and committee room etc.
- Promotion and strengthening of extracurricular activities such as sports, seminars and debates.
- MOUs may be signed with various research organizations so that access to their resources is available.

Final Recommendations

The AIC recommends that interim accreditation of the current six semester B.Sc. (Hons.) Agri. Entomology degree program may be granted. The committee assessed the program and assigned a score of 58 percent with 'Y2' evaluation rating and purposes revisit next year.

Annexure-I

Name, Qualification and experience of faculty and support staff:

S.#	Name	Designation	Univ. Exper.	Experience other than univ. experience	Total experience
1	Dr. Shafqat Saeed, PH.D.	Assistant Prof. (Tenured)	12 years	10 years	22 years
2	Dr. Azhar Abbas Khan	Assistant Prof. (IPFP)	06 months	01 years	1 ½ years
3	Dr. Shahid Hanif	Assistant Prof. (IPFP)	04 months	00 years	04 months
Supporting Staff					
1	Mr. /Muhammad Tanvir, BA	Lab. Asstt.	1 ½ years	Nil	1 ½ years
2	Mr. Muhammad Fayyaz	Office Attend.	3 years	Nil	3 years

LIST OF EQUIPMENT AVAILABLE IN THE LABS TO BE USED IN ENTOMOLOGY

S.No.	Name of Equipment / Facility
1	Microscopes/Stereoscope
2	Dissection Kits
3	Micropipette
4	Digital caliber
5	Digital Balance
6	Microwave oven
7	Magnifying lens
8	Magnifying lens (with light and stand)
9	Beakers (50 ml)
10	Beakers (100 ml)
11	Beaker (500 ml)
12	Insect Killer
13	Humidifier
14	Glass Ware
15	UV Light
16	Heater
17	Blender
18	Projector
19	Ventilated Plastic Cages (2X2)ft.
20	Plastic Petri dishes
21	Glass Petri dishes
22	Dissection Tray
23	Hand Sprayer
24	Ventilated Insect Cages
25	Aspirator
26	Insect Net
27	Insect Traps
28	Digital Camera
29	Refrigerator/Freezer
30	Air conditioner
31	Hot plate