

Academic Wing

Role of Education in Personality Grooming

It is by now axiomatic that education is an investment in human resource that gives rich dividends in the shape of fostering the intellectual capacity and hidden promise in an individual. With the realization that officers need to be armed with thinking ability, ready knowledge and lucid expression, academic training has always been an integral component of the overall training curriculum at PMA. The academic training has been designed specifically to meet the vision of what we would like to see the young officers become, both in terms of being imbued with the worldly wisdom (according to their age) as well as with the quality of character. The courses of study are placed on a par with university education and help the cadets attain a broad-based education in a number of mandatory and optional subjects. In a larger perspective, it fosters in cadets personalities capable of being at home with their international contemporaries, while not being disassociated with their local and domestic obligations. As a premier institution, our aim is to sustain the enviable standards that the academy had been able to maintain in the past. These are helped much by dependable and scholarly academic faculty as well as by the provision of the best available educational infrastructure and aids.

The academic training at the Academy is organized by the Academic Wing comprising 11 academic departments, which function under the Director of Studies (DOS). Over the decades, the Academy has produced a stream of graduates who have excelled in various fields of life. The syllabi have been developed in line with the latest trends in university education to meet the challenges of the new millennium. Modern teaching techniques, training aids and educational facilities are used both for teaching and training. The faculty mainly comprises officers from Army Education Corps. High academic standards are enforced by the faculty under the guidance of the Director of Studies and the Commandant who is also the Chairman of the Academic Council.

Pakistan Military Academy is rightfully proud of its graduates who valiantly fought during the Indo-Pakistan wars of 1965 and 1971. Amongst them are the recipients of six Nishan-e-Haider and one hundred and eight Sitara-e-Jurrat. Besides training Pakistani Cadets, the Academy has imparted training to a large number of Gentlemen Cadets from many allied/friendly countries, most of whom are holding important coveted appointments in their respective armies. Pakistan Military Academy has come a long way since its inception in October 1947. It was a very nascent and humble beginning. The Academic Wing, comprising six to seven officers, was headed by Major (later Lieutenant Colonel) Dr. M. M. Ahmed, the first Chief Education Officer. In 1949, another batch of instructors was inducted. They were granted Special Short Service Commission for a period of three years. The educational training during the initial days, consisting of Arts and Science Courses, aimed at meeting the requirements of various arms and services.

In 1953, a laboratory for Applied Mathematics was established. The same year, the Commandant PMA, Brigadier G. Pigot, brought about some changes in the syllabi, the teaching of Islamic History and Urdu was discontinued on the grounds that the cadets already knew these subjects well. In 1966, semester system was introduced in which military training and academic instructions were separated on half-term basis, running alternatively during the two-years training period. This system could not meet the requirements and was dropped after a year of its introduction.

In November 1976, Junior Cadets Battalion was established to function as a feeder institution to PMA. It ran intermediate classes both for science and arts courses. In 1977, under the Directive of the President of Pakistan, subjects of Arabic Language and Islamic Studies were included in the syllabi. In 1979, the semester system was re-introduced and 64th PMA Long Course passed out under this system. However, six months later from 65th PMA Long Course onwards, acquisition of degree was made mandatory for the grant of commission. The syllabi of both Intermediate and Degree Courses were integrated into a continuous progressive programme of academic instruction. The syllabus of Arabic was up-graded to include reading of the entire Quranic text with translation.

The same year Computer Literacy Programme was introduced under arrangements of Mathematics Department to prepare the grounds for introducing Computer Science as an elective subject. In 1993, Computer Science was introduced as an elective subject that was later discontinued in 2000. However, it was reintroduced in November 2002. A new elective subject i.e. Management Science was also introduced in November 2002. Moreover, the syllabus of English was also revised and comprehensively expanded.

Responsibilities of Academic Wing

Academic Wing is responsible to organize, control and supervise academic instructions to the Gentlemen Cadets in accordance with the policy laid down by the Commandant. The Director of Studies (DOS) is overall in-charge of the Academic Wing.

Director of Studies' Message

The intellectual training of cadets at PMA aims at organizing formal education to enable them to acquire Bachelor's Degree. A Four-Year degree programme titled Bachelor of Military Art and Science (BMAS), in line with international academic standards, has been implemented at the Academy to cater for the future needs of the cadets.

This programme provides sound basis to the cadets of higher academic attainments subsequently in an environment conducive for the intellectual and creative pursuits. The syllabi are designed to develop intellectual curiosity and mental inquisitiveness among the cadets and to provide sound knowledge base for their continued progressive development as officers. The curricula promote knowledge and awareness of national and international affairs along with infusing moral, social and cultural values in the cadets. The syllabi are regularly reviewed in

consonance with the modern academic requirements. The concept of e-Learning implemented at PMA fully incorporated the ideals of the futuristic vision.

This system caters for a smooth and effective curricular training and is designed to provide the cadets and faculty an access to the widely ranged intellectual resources available world-wide. Pakistan Military Academy is proud to keep pace with the time and is unrelentingly directing the potential officers of Pakistan Army to a chosen destination where they can confidently hold the onerous responsibility of the defence of the nation.

DOS' Profile

Brigadier AamirHafeez was commissioned in Pakistan Army in 1985. Having occupied diverse staff and instructional appointments, he brings with him rich professional experience including stints at Command and Staff College (Quetta), Pakistan Military Academy (Kakul) and Military College Jhelum.

He has also headed English Language Centre in Southern Saudi Arabia and, before his present assignment, held the post of Principal Army Burn Hall College for Girls. He holds an M.Phil degree in Education and Master's degree in English Literature. As a liberal arts reader, books are his consuming passion.

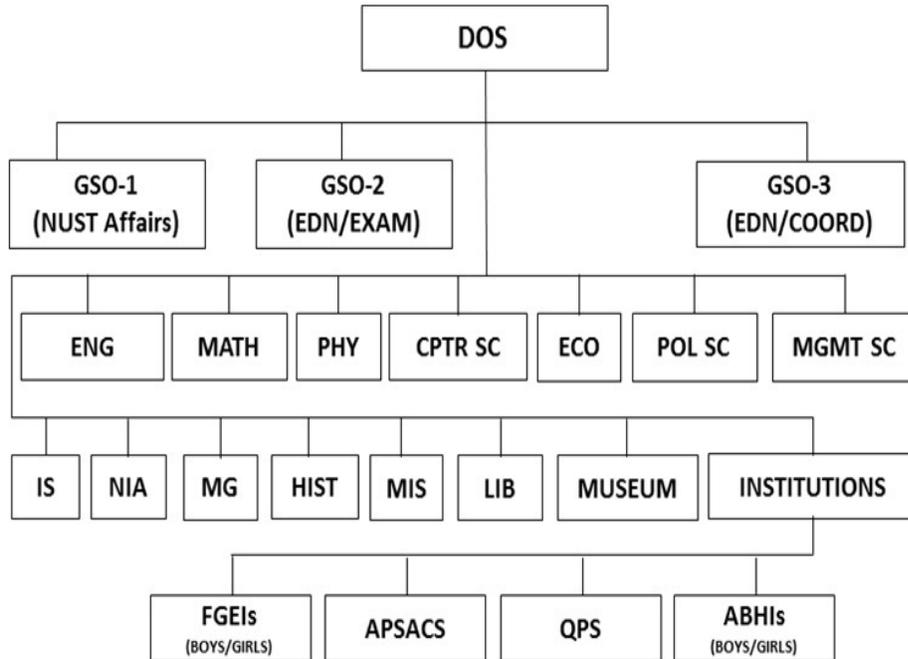
Objectives of Academic Training

The ultimate goal of academic wing is to inculcate, among the Gentlemen Cadets,through academic training, all those qualities of head and heart, and such character attributes, which will improve their ability to undertake the future leadership role in the army. The specific **objectives of the academic training at PMA** are:-

- a. **Academic**
 - (1) To organize formal education for the Gentlemen Cadets to enable them to acquire Bachelor's degree.
 - (2) To provide a sound basis to the Gentlemen Cadets for higher academic attainments subsequently.
- b. **Intellectual**
 - (1) To provide the Gentlemen Cadets with an environment conducive for intellectual and creative pursuits.
 - (2) To develop intellectual curiosity and mental inquisitiveness among Gentlemen Cadets.
- c. **Professional**
 - (1) To develop and refine Communication Skills of the Gentlemen Cadets.
 - (2) To provide sound knowledge base for continuous progressive development as officers.
 - (3) To promote knowledge and awareness of national and international affairs and issues.
- d. **Moral**

- (1) To impart education in Islamic Studies and Ethics.
- (2) To foster moral and religious attributes.
- (3) To infuse social and cultural values.
- (4) To groom and refine the Gentlemen Cadets as future junior leaders.

Organization of Academic Wing



Academic Clubs

1. Academic Clubs in PMA have been designed to provide to the Gentlemen Cadets a variety of healthy activities. Joining one of these clubs is compulsory for the Gentlemen Cadets of 3rd and 4th terms. While these activities have a great recreational value, they also supplement and reinforce their PMA training and help to achieve the aim of character building. In the pursuit of their various hobbies, the Gentlemen Cadets develop self-confidence, initiative, selflessness, organizational ability and other qualities which are essential attributes of an officer. The major aim of activities in different academic clubs is to invigorate the interest of Gentlemen Cadets in the various technological and scientific fields, including familiarization with the computer and enhancing their expertise to develop the software, to impart theoretical and Practical knowledge to Practice the hobby of photography, to develop and promote carpentry and machine work, to enhance the sense of creativity, the spirit to undertake the aesthetic work, and to enhance the creativity and fertility of the minds of Gentlemen Cadets in scientific field in a relaxed manner. There are six academic clubs being supervised by President Academic Clubs. These include Computer, Camera, Craftsmen, Fine Arts, Science Club and Writers' Guild.

2. **Club Org.** Following is the org of academic clubs:-

- a. **Patron** DyComdt
- b. **President** HOD Physics Department
- c. **Coordinator** GSO-1 (Trg)
- d. **General Secretary** GSO-2 (Exams) / SO NUST Affairs
- e. **OIC.** Each academic club is managed by an offras OIC, assisted by one or two captas members from respective Departments
- f. **Secretary.** Senior most cadet of the clubs.

3. **Responsibility of Academic Clubs.** Department wise resp to run academic clubs is as under:-

- a. Computer Club: Computer Department
- b. Camera Club: Pol Sc Department
- c. Crafts Men Club: Math Department
- d. Fine Arts Club: NIADepartment
- e. Science Club: Physics Department
- f. Writer Guild: English Department

Allotment of Clubs to GCs. GCs are permitted to join a club of their own choice. Military Term Commander of 2nd term is responsible for allotment of clubs to GCs of his course on the completion of 2nd term.

Participation. GCs of 3rd and 4th Terms including TGC, IC and LCC.

Club Activities. Club activities are held on every Fri for 1 ½ hrs during each session under the supervision of respective OICs.

Preparation of Projects. During the summer session, the GCs get themselves familiarized with the prep of the projects. OICs and member Officers of the clubs deliver lectures regarding the prep of the projects, and supervise club activities. During winter session, GCs prep the projects and carry out practice for club exhibition.

Club Exhibition. Projects prepared by all the clubs are required to be displayed in the clubs exhibition of academic clubs which is held in Winter Session.

HEC Microsoft Alliance

Microsoft Pakistan has entered into an Education Alliance Agreement with the Higher Education Commission of Pakistan. The Education Alliance Agreement between Microsoft and HEC will provide centralized IT services to HEC-approved universities across Pakistan while maintaining the highest standards in the use of Information Technology within the ambit of education in Pakistan. Same is applicable to PMA as it is running its BMAS as a degree program of NUST which is a recognized university of HEC.

Commenting on this major development in the country's higher education sector, Kamal Ahmed, Country Manager, Microsoft Pakistan, said, "This Education Alliance Agreement provides the framework for a comprehensive joint public/private implementation plan that supports Pakistan's objective of achieving education excellence. It is aligned to the key strategic aims of Transforming Education, fostering local innovation and enabling jobs and opportunities, and containing a selection of mutually agreed programs and solutions that offer the tools and support to achieve the country's overall vision pertaining to education."

A key objective of the Agreement is to establish the basis of a long term on-going partnership that will also allow for regular review and measurement to ensure that all undertakings of Microsoft within the educational programs remain aligned in the long term. Since it is always fruitful for the state sector and private enterprise to work together to combine expertise, knowledge, experience and resources to ensure successful and sustainable education transformation, Microsoft will help the HEC to attain its goals by transforming education, fostering local innovation and creating jobs and opportunities through this alliance.

This blends perfectly with the HEC's stated objective of equipping university students and faculty with the latest technological access across Pakistan. The HEC is also committed to bridge the digital divide by bringing Pakistan at par with the developed nations of the world where technological enhancement and prowess for the students is main concern.

Plagiarism

Following the instructions of HEC and to ensure quality and original work in its publications, PMA has established a mechanism to avoid any plagiarism. An officer from academic wing is the incharge officer of anti-plagiarism committee.

What is Plagiarism?

Everyone knows that plagiarism is something to be avoided, but not everyone is sure precisely what it is. This short booklet is designed to help students to understand more fully what plagiarism is, and equally important, how to avoid it?

Plagiarism is a specific *form* of cheating which is almost wholly found in respect of course assignments completed by students independently.

The University of Greenwich has a definition of plagiarism:

Plagiarism includes, but is not limited to:

1. Using published work without referencing (the most common)
2. Copying coursework essays
3. Collaborating with any other person when the work is supposed to be individual
4. Taking another person's computer file/program

5. Submitting another person's work as one's own
6. The use of unacknowledged material published on the web
7. Purchase of model assignments from whatever source
8. Copying another student's results
9. Falsifying results

Departments

Objectives of Department of English

The Department has well-defined objectives, which are to help the cadets to:-

- a. Develop the intellectual curiosity and deeper insight, wider vision and subtle observations.
- b. Develop listening, speaking, reading and writing skills of English.
- c. Overcome stage fright and develop the ability to put across their ideas to an audience confidently and effectively.
- d. Understand and assimilate the rules of grammar and their application.
- e. Develop the art of creative writing.

Objectives of the Department of Physics

The Department has well-defined objectives, which are as following:-

- a. To impart a broad based theoretical and practical knowledge to Gentlemen Cadets in various branches of Physics like Mechanics, Thermodynamics, Waves and Oscillations, Electricity and Magnetism and Modern Physics.
- b. To enable them to carry out further studies in various branches of Physics and help them to understand modern technologies used in military equipment.
- c. To enable the cadets to deal on ground with practical problems regarding use of modern weapon system with a view to handle the sophisticated equipment with confidence and identify/rectify the fault in the equipment on the spot.

Objectives of the Department of Mathematics

The Department has well-defined objectives, which are as following:-

- a. To impart knowledge and understanding of mathematics with a view to enhance reasoning power, analytical thinking and provide appropriate background knowledge to the cadets joining technical arms.
- b. To impart basic knowledge of Statistics and Probability with a view to develop analytical reasoning and decision making by using various statistical techniques.
- c. To acquire statistical techniques / procedures that will help them to accomplish their future research assignments as it is applicable to a variety of academic disciplines including natural and social sciences.

Objectives of the Department of Computer Science

The Department has well-defined objectives, which are as following:-

- a. Organize basic and advance level computer training for the Gentlemen Cadets.
- b. Organize training of Geographical Information System (GIS).
- c. Organize OAS Trg for all passing out courses.

3. Video Conferencing

a. Introduction

PMA strictly follows all the academic policies of The Higher Education Commission, Pakistan. HEC has initiated a project titled "Online Lecturing and Net-Meeting using IP-based Video Conferencing System" for provisioning of Video Conferencing facility at all public sector universities and establishment of world class video conferencing lecture room. PMA is extending this facility to its faculty for their professional growth. Video conference room has been established in the library.

Objectives of the Department of Islamic Studies

The Department has well-defined objectives, which are to help the cadets to:-

- a. Develop understanding of basic concepts of the Holy Quran and Sunnah.
- b. Impart knowledge of character traits required for a Good Military Officer.
- c. acquaint the student (cadets) with the sacred life of the Holy Prophet (Peace be upon him) i.e. the Best Role Model,
- d. Build character traits of a good practicing Muslim.
- e. Understand the real concept about Islam that is a religion of peace and moderation and not of extremism and terrorism.

Objectives of the Department of Political Science

The Department has well-defined objectives, which are as following:-

- a. To make the GCs understand and analyze the political struggle for the creation of Pakistan.
- b. To update the GCs on constitutional developments and current issues of Pakistan.
- c. To develop a base about the mechanism and dynamics of political science.
- d. To inculcate in GCs comprehension of geo-politics at national, regional and global levels.

Objectives of the Department of Military Geography

The Department has well-defined objectives, which are as following:-

- a. To impart a broad based knowledge to Gentlemen Cadets of different geographical phenomena and their impact on human activities.
- b. To impart the knowledge to the Gentlemen Cadets of physical and human aspects of continents.
- c. To improve knowledge of the Gentlemen Cadets of physical and human aspects of Pakistan.
- d. To develop comprehension of the Gentlemen Cadets of the relationship between physical features and different military operations.
- e. To enable Gentlemen Cadets to draw physical and political maps of the globe.

Objectives of the Management Science Department

The Department has well-defined objectives, which are as following:-

- a. To broaden the intellectual horizon of future military leaders by enhancing their analytical ability and creative thinking.
- b. To enrich the personal and professional acumen of future Gentleman Cadets by equipping them with latest knowledge of best management practices.
- c. To enhance GCs' analytical ability and creative thinking.

Objectives of the Economics Department

The objectives of department are to produce officers with following potentials:-

- a. Having sound theoretical and applied knowledge of Economics as a subject.
- b. Having sufficient knowledge to pursue higher level of education in the field of Economics.

- c. Be able to identify economic issues and problems of national and international importance.

Objectives of the Department of History

The Department has well-defined objectives, which are as following:-

- a. To organize formal education for the gentlemen cadets in the disciplines of history and ethics enabling them to acquire Bachelor's Degree.
- b. To provide a sound basis to the gentlemen cadets for understanding, making and dynamics of modern world.
- c. To make the Gentleman Cadets understand rights and duties of citizen in the 21st century.
- d. To develop intellectual curiosity and mental inquisitiveness among the gentlemen cadets.

Objectives of the Department of National and International Affairs

The Department has well-defined objectives, which are as following:-

- a. To enable the cadets to comprehend the significance of various IR theories and evaluate their bearing on the global political system.
- b. To acquaint the cadets with the Foreign Policy determinants and objectives in the light of Pakistan's relations with her neighboring countries.
- c. To help the cadets understand the concept of Nationalism, National Power and Islamic and Western concepts of Nationalism.
- d. To develop the interest of cadets so that they may understand global and regional organizations like UN, SAARC, ECO, SCO, ASEAN and NATO.
- e. To enable the cadets to comprehend the Geo Strategic importance of Indian Ocean and the power politics in Indian Ocean.
- f. To acquaint the cadets with International Law of Armed Conflict, and various contemporary disputes particularly faced by the Muslim World.
- g. Be able to identify major actors and institutions of International Relations and to know their functions.
- h. Be able to demonstrate knowledge of key sub-fields and theories of International Relations as a discipline.
- i. Be able to analyze international issues from perspectives other than their own.
- j. Be able to display familiarity with global and political structure, and International Relations functionalities.

PMA Library

Established	1948
Present Location	Inaugurated on 29 th March, 1992
Mission/Objective	To meet the professional requirements of officers and cadets and assist them in their academic pursuits
Building	Area -21,830 square feet
	Floors - Gd Floor and 1 st Floor
Books	77,398 x Nos
General Books	53,398 Nos
Textbooks	24,000 Nos
Magazines	10 x Nos
	Weekly Time
	Weekly Newsweek
	Weekly The Friday Time
	Weekly The MAG
	Weekly Family Mag (Urdu)
	Monthly National Geographic
	Monthly Reader's Digest
	Monthly Herald
	Monthly Hilal
	Monthly Taleem-o-Tarbiat (Urdu)
Newspapers	12
Library Automation System	All books have been computerized and book search facility is provided with library software "Lib2000"
Reading Rooms	2 (for display of Newspapers/Mags)
Seerat-ul-Nabi Corner	270 books

Iqbal Corner	247 books
Quaid Corner	154 books
Ref Books	1998 books
General Books Section	44883 books
Text Books Store	24000 books

Audio Visual Room (TV, VCR, Audio Cassette Player, DVD player and CDs)

Geographic Room /Geographic Info System Lab

Fiction Room

Magazine Room

Internet Café (26 x Computers)

HEC Digital Library is providing access to international scholarly literature based on electronic (online) delivery.

E-Books offers **41,800** full text e-books

E-Journals offers 3900 e-journals.

Video Conferencing. This room is established with the purpose to acquaint library members with recent developments in the field of education, research through On-Line Seminars whenever conducted by the universities working under the umbrella of HEC.

Study Hall for members to sit and consult books/magazines.