Welcome to
HITEC University
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Overview

Taxila, a historical seat of learning and an important archeological site, is situated about 30-kilometers North-West of Islamabad and Rawalpindi. Taxila has been a home of the Buddhist civilization and is well known for its exquisite craftsmanship in pottery and stone carvings.

A comparatively new addition to the hallmarks of Taxila is the establishment of Heavy Industries Taxila Education City (HITEC). Located at the foothills of Margalla, it is an integrated and purpose-specific complex, housing educational institutions, catering for pre-school to University level education.

HITEC University commenced classes in November, 2007 with an intake of 250 students, in affiliation with UET Taxila. The University was granted its own charter in November, 2009 by the Government of the Punjab. The University is sponsored by Heavy Industries Taxila Education Welfare Trust (HITEWT).

By the grace of Allah Almighty, in a very short span of time, HITEC University has emerged as a modern, well equipped and vibrant place of learning and a citadel of knowledge. It hosts state of the art facilities and takes pride in offering highly conducive environment and unmatched safety and security of the premises. The University has splendid infrastructure. Besides imparting quality education, it aims to groom, nurture and develop individuals of balanced personality and sound morals.

Currently, the University offers Bachelor, Master and Doctoral level programs in Electrical and Mechanical Engineering. It also offers Bachelor in Business Administration and Islamic Studies, and Master in Business Administration and Mathematics. The University has a dynamic, industrious and highly committed full-time faculty which keeps abreast with the latest developments in teaching methodologies.

The University takes pride in having spacious, air-conditioned and very well equipped Classrooms, Laboratories, Library, Auditorium and excellent allied facilities i.e. high speed internet, cafeteria and sports stadium etc. A hostel, for a limited number of students, is also available at the campus. Plans are already in hand to build a state-of-the art new hostel complex for housing 500 students.

Being in close proximity to Heavy Industries Taxila (HIT), Pakistan Ordinance Factories (POF), Heavy Mechanical Complex (HMC), Pakistan Aeronautical Complex (PAC), Telephone Industries of Pakistan (TIP) and FECTO Cement etc. the HITEC University affords excellent opportunities for Industry-Academia linkages.
Taxila, a historical seat of learning and an important and developing individuals of balanced personality and sound archeological site, is situated about 30 kilometers North-West of Islamabad and Rawalpindi. Taxila has been a home of the Buddhist civilization and is well known for its exquisite craftsmanship in pottery and stone carvings. Currently, the University offers Bachelor, Master and Doctoral level programs in Electrical and Mechanical Engineering. It also offers Bachelor in Business Administration and Islamic Studies, and Master in Business Administration and Mathematics. The University has a dynamic, industrious and purpose-specific complex, housing educational institutions, latest developments in teaching methodologies catering for pre-school to University level education.

The University takes pride in having spacious, air-conditioned and very well equipped Classrooms, Laboratories, with an intake of 250 students, in affiliation with UET Taxila. The Library, Auditorium and excellent allied facilities i.e. high speed internet, cafeteria and sports stadium etc. A hostel, for a limited number of students, is also available at the campus. Plans are already in hand to build a state-of-the-art new hostel complex for housing 500 students.

By the grace of Allah Almighty, in a very short span of time, HITEC University has emerged as a modern, well equipped and vibrant place of learning and a citadel of knowledge. It hosts Pakistan Ordnance Factories (POF), Heavy Mechanical Complex (HMC), Pakistan Aeronautical Complex (PAC), Telephone Industries of Pakistan (TIP) and FECTO Cement etc. The University affords excellent opportunities for Industry-Academia linkages. Besides imparting quality education, it aims to groom, nurture and develop individuals of balanced personality and sound archeological site.

Overview
I extend a very warm welcome to you. Let me apprise you about the HITEC University. It was established in 2007 with a vision to be Pakistan’s premier academic and research institution. It is a private University, chartered by the Government of the Punjab and is ranked in category “W” by Higher Education Commission.

The University focuses on imparting quality education through excellent teaching and learning environment, using state of the art facilities and interactive teaching methods. We aim at instilling inquisitiveness and a lifelong quest for knowledge amongst our students, who are morally and socially groomed to excel in life.

HITEC University offers undergraduate and postgraduate programs in Engineering, Management Sciences, Mathematics and Islamic Studies, which are at par with the best available in the country. Our academic programs are tailored to the market needs and are designed to equip the students with the latest developments in the field of their respective specializations. We have a diversified and highly qualified faculty with excellent record in teaching and research. Through their commitment and dedication, yoked with the support of University administration and staff, students of the University have unparalleled opportunities to prepare themselves for the future challenges.

Conforming to the intentions of the founders, we remain wholly committed to foster and grow all-encompassing university culture at the campus. Therefore, a holistic human development has been conceived. Along with achieving academic excellence, students are encouraged to participate in various cultural, social and sports activities. These activities groom our students to be confident, positive and responsible citizens to serve the country in a befitting manner.

Looking forward to seeing you at HITEC University.

Brig (Retd)
Qamar Zaman, SI (M)
The motto should guide the students in their future lives as a beacon of light and be a reflection of character strength and grooming. ‘Truth’ is the key word in the selection of University’s motto, for indeed it has been the virtue of the prophets and the object of pursuit of all great men, scholars, researchers and scientists. Finding and upholding truth is the purpose and spirit of real education.

The most befitting inspiration is found in a Quranic verse “Wa Qulu Qaulan Saddeeda”, (Ayat 70, Surah Al-Ahzab) but to keep the sanctity of the divine words it has been replaced by an akin Hadith “ASSIDQO YUNJEE” meaning 'In truth lies success'. Its English equivalent is: “In Truth I Triumph”.

HITEC University emblem symbolizes Pakistan’s national heritage, ideological moorings, cultural values, and provides conviction and courage to its students. The University emblem is a roundel, in line with traditional Muslim shield. It has two rings; the outer ring contains the name of institution and its motto while the inner ring embodies a multi-layered insignia. On the top is the rising Sun signifying energy, hope and newness. At the bottom is a body of water which is source of all life. In the middle, the white emerging lines stand for the Earth which is abode of all mankind. The blue lines show rivers on the Earth indicating that civilizations have grown on the banks of rivers. The pattern formed by white and blue lines alludes to an open book that represents all recorded human knowledge. The book is placed on the surface of water pointing to an eternal challenge we are confronted with.

In the back drop of the book, emerges the golden Sun sending its rays across the universe. The rising Sun also represents the dawn of a new era where darkness is dispelled and brightness is ushered in.
**Vision**

HITEC University aspires to be a student centered institution, with innovation in teaching, learning, research and strong industrial linkages, to effect a change in the quality of life.

**Mission**

HITEC University is a centre of excellence in teaching, learning and research. We instill and inspire intellectual curiosity, a lifelong quest for knowledge and a keen urge for social and moral responsibility. The University will establish strong linkages with industry, ensuring innovative research leading to economic prosperity of Pakistan.
From Islamabad/Rawalpindi proceed on the GT road towards Peshawar. Only 10 km ahead of Sangjani Toll Plaza is the Taxila Bypass. Those travelling on the Motorway may use Islamabad, Tarnol or Bahter interchange to come on the GT road in order to reach the Taxila Bypass. Turn towards the Taxila Museum, about 2 km on the Museum Road is HITEC University – a combination of huge buildings in red bricks and a white prominent mosque, all enclosed in black-stone boundary wall.
Academic Regulations
The HITEC University follows Semester System of Education, quite akin to that in vogue in American universities. Singular features of this system are highly focused and very well delivered class room lectures, extensive experimentation in Laboratories and continuous assessment of student’s performance. It aims to infuse habits of regularity and competitiveness among students.

The following few pages give definitions of various terms applicable to our system. They also contain a summary of our rules and regulations. Please do take a few minutes to peruse through them.
research work / projects etc is equal to two or three contact hours;

Credit Hour

“Credit Hour” means a lecture of one hour duration (including ten minutes break) per week per semester for a subject countable towards a student's Cumulative Grade Point Average. However, in case of seminars, tutorials and laboratory work, one credit hour may require two or three contact hours depending upon the nature of the subject.

Semester Credit Load

Five to six subjects are offered every semester. Students must register in all subjects. Credit hours load per semester ranges between 15 and 19.

Student Evaluation

Students are evaluated as per following
- Quizzes
- Home Assignments
- Hourly Tests
- Case Studies
- Projects
- Practical/Lab test
- Viva Voce
- End-Term Examination

Grading System

The performance of each student in a course of study is graded as follows:

<table>
<thead>
<tr>
<th>GRADE</th>
<th>GRADE POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
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<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

To earn course credits, a student must obtain a minimum of 1.00 grade points. To successfully complete the degree, a student must obtain a minimum CGPA of 2.00 for bachelors and 2.5 for Masters Degree.

Award of Grade ‘F’

‘F’ grade is awarded on the basis of academic failure. The 'F' grade obtained by the student shall only be cleared by repetition of the course whenever offered.

Award of Grade ‘I’

A student, who, because of illness or other acceptable reasons duly approved by the Board of Faculty, fails to complete the required work in any course or misses any examination/test, provided his overall attendance is not less than 75%, is given ‘I’
as a grade. The student receiving such a grade makes up the unfinished portion of his course in time frame as decided by Departmental Board of Studies. In case the student fails to make up the course work, he receives a grade ‘F’.

**Attendance Rule**

A student shall not be allowed to appear in final examination of a subject in which his attendance is less than 75%, and he shall be awarded 'F' grade in that subject.

**Cumulative Grade Point Average (CGPA)**

“Cumulative Grade Point Average (CGPA)” means the summation of grade points of all credit courses divided by the total number of credit hour taken by a student, i.e.

\[
CGPA = \frac{\text{Sum of } (P \times N)}{\text{Sum of } N}
\]

Where P represents a grade point assigned to a letter grade scored by the student in a course and N represents the number of credit hours associated with the course.

**Semester GPA**

"Semester Grade Point Average (GPA)” means the summation of grade points of the particular semester credit courses divided by the total number of credit hour taken by a student in that semester, i.e.

\[
GPA = \frac{\text{Sum of } (P \times N)}{\text{Sum of } N}
\]

Where P represents a grade point assigned to a letter grade scored by the student in a course and N represents the number of credit hours associated with the course.
**Course Code Methodology**

The courses are identified by the course numbers, which consist of two alphabets and three digits. The alphabets represent the discipline; the first digit indicates the year in which the course is offered; the remaining two indicates course serial number.

- CE  Computer Engineering
- EE  Electrical Engineering
- BS  Basic Sciences
- HS  Humanities
- ME  Mechanical Engineering
- MS  Management Sciences

**Repeating a Course**

A student may repeat a course under two circumstances i.e. to clear 'F' Grade(s) or to improve his CGPA. The student shall be required to complete all formalities applicable for repetition of courses i.e. mid semester examination/one hour tests, projects, assignments, quizzes etc, and End Semester Examination. The student transcript shall show both old grade and new earned grade but the CGPA shall be based on new earned grade. The student shall also have to pay the prescribed tuition fee for the repeated course. Student who repeats a subject shall not be eligible for top student honors / awards even if he improves it and comes in that bracket after repeating it. It is the student's responsibility to clear the failed subjects within the prescribed time limits to avoid relegation due to accumulation of 'F' grades.

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**Academic Regulations - Bachelor Courses Only**

**Academic Deficiencies**

A student who obtains one or more of the following grades in semester final result is considered academically deficient, namely:-

- An 'F' grade in any course
- Semester GPA less than 2.00
- CGPA less than 2.00
- 'I' (Incomplete) grade in any course

**Warning**

"Warning" is a written cautionary statement issued to a student who qualifies to continue his studies despite minor deficiencies in some course so as to make him conscious of the weakness and advise him to work hard during the semester in progress.

A student is placed on warning under any of the following conditions as per latest policies of the University:-

- first semester GPA is equal to or more than 1.90 but less than 2.00 and the student has not obtained 'F' grade in any subject
- second semester onwards, semester GPA is equal to or more than 1.90 but less than 2.0 without any 'F' grade, provided the CGPA is more than or equal to 2.00 and the student does not qualify for probation, relegation, or withdrawal.

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**Cumulative Grade Point Average (CGPA)**

\[
CGPA = \frac{\sum (P \times N)}{\sum N}
\]

**Semester GPA**

\[
GPA = \frac{\sum (P \times N)}{\sum N}
\]
Academic Regulations

Probation

A student is said to be on probation if he/she is deficient in academic standards to the extent that he/she is likely to be relegated / withdrawn and allowed to continue studies for one semester. A student is placed on academic probation under any of the following conditions if,

- first semester GPA is equal to or more than 1.5 but less than 1.9 without any 'F' grade
- CGPA at the end of second semester is equal to or more than 1.50 but less than 2.00 and he does not qualify for relegation / withdrawal
- Third semester onwards, CGPA is less than 2.00
- he receives 'F' grade(s) and does not qualify for relegation or withdrawal

Relegation

"Relegation" means that the student is asked to join the next junior class. Relegation may be due to:
- academic grounds
- medical grounds
- disciplinary grounds
- prolonged absence

A student is recommended for relegation by the Board of Faculty, after due deliberation on each case basis, for approval of the competent authority, subject to any of the conditions listed below:

- if the first semester GPA is between 1.00 and 1.50
- if the student's CGPA consistently remains below 2.00
A student is said to be on probation if he/she is deficient in academic standards to the extent that he/she is likely to be relegated/withdrawn and allowed to continue studies for one semester. A student is placed on academic probation under any of the following conditions if,

- first semester GPA is equal to or more than 1.5 but less than 1.9 without any 'F' grade
- CGPA at the end of second semester is equal to or more than 1.50 but less than 2.00 and he does not qualify for relegation/withdrawal
- Third semester onwards, CGPA is less than 2.00
- he receives 'F' grade(s) and does not qualify for relegation or withdrawal

"Relegation" means that the student is asked to join the next junior class. Relegation may be due to:

- academic grounds
- medical grounds
- disciplinary grounds
- prolonged absence

A student is recommended for relegation by the Board of Faculty, after due deliberation on each case basis, for approval of the competent authority, subject to any of the conditions listed below:

- if the first semester GPA is between 1.00 and 1.50
- if the student's CGPA consistently remains below 2.00 for two consecutive semesters, the student may be required to repeat both the semesters as decided by the Board of Faculty, otherwise he shall repeat the previous semester only
- if the student fails in 3 courses in any one semester
- if the student fails in repeat/retest of a failed course
- if the student fails to appear and clear the 'F' grades as decided by the Board of Faculty without valid reasons;
- on disciplinary grounds when so recommended by the Discipline Committee
- if overall attendance of the student is below 75% in a semester on medical grounds or reasons beyond his control, such relegation shall be termed as a technical relegation and shall not involve penalties associated with normal relegation.
- if the student remains absent for more than thirty but less forty five consecutive days without valid reasons.

Withdrawal

"Withdrawal" means that a student is considered unsuitable for further studies and is withdrawn from the program. A student is recommended for withdrawal, subjects to any of the conditions listed below:

- if the student has been previously relegated (not technical relegation) and earns another relegation.
- if the student fails in 4 courses in any one of semester.
- if the student secures a minimum semester GPA of 1.00 or less in the first semester.
- if the student secures a CGPA of 1.5 or less at the end of first two semesters.
- on disciplinary grounds when recommended by the Disciplinary Committee.
- if the student remains absent for 45 or more consecutive days without valid reasons.

Academic Regulations- Masters Courses Only

Academic Deficiencies

A student shall be dropped from the Master's Degree program if:

- first academic semester GPA is less than 2.00.
- receives 'F' grade in more than one course or fails again after repeating the course.
- CGPA remains below 2.5 after completion of his course work even after availing the chance allowed under the provision of regulation “Repetition of Course”.
- he student remains absent for 30 or more consecutive days without valid reasons.
- attendance of the student remains below 75% in two or more subjects ('F' grade shall be awarded in the subjects in which student's attendance is below 75%).
- on disciplinary grounds when recommended by the Discipline Committee.

Probation

A student shall be placed on probation at the end of 1st/2nd academic semesters if his CGPA is less than 2.5 but equal to or greater than 2.00.
Department of Electrical Engineering