

Regulations for the four year Bachelor of Engineering (B. E.) degree course in semester system for the students admitted in the Engineering Colleges (affiliated to the Gauhati University) of the state of Assam with effect from the year 2006

Approved by the Academic Council of the Gauhati University, Jalukbari, Assam on _____

Section 1: Definition of B. E. Course: The **Bachelor of Engineering degree course**, called the “**B. E. Course**” hereafter, in the respective fields of engineering as approved by the Gauhati University, shall comprise of four academic years. Each academic year shall comprise of two semesters. Each semester shall consist of approximately 15 (fifteen) weeks of teaching and approximately 6 (six) weeks for academic as well as other formalities including the semester examination. The eight semesters of the four academic years shall be respectively called the First, Second, Third, Fourth, Fifth, Sixth, Seventh and the Eighth semester.

Section 2: Eligibility for admission into the B. E. Course: There shall be two categories of students who shall be eligible for admission into the B. E. Course as stated below:

- (i) Eligibility condition I: Candidates who have passed the two year Higher Secondary (Science) examination of the Assam Higher Secondary Education Council (AHSEC) or its equivalent as recognized by the Gauhati University with Physics, Chemistry and Mathematics, and securing the minimum pass mark in each subject and at least 50% marks in aggregate in the said subjects in one sitting will be eligible for admission into the B. E. Course. The selection for admission shall be done through an Entrance Test.

Relaxation regarding the minimum qualification for Scheduled Caste/Scheduled Tribe (SC/ST) candidates shall be made as per the state government rules formulated from time to time.

- (ii) Eligibility condition II: Candidates who have passed the final Diploma examination conducted by the State Council for Technical Education, Assam, securing a minimum of 60% (sixty percent) marks in aggregate will be eligible for admission into the Third semester of B. E. Course. However, the candidate shall have to appear in a state level admission test.

Section 3: Definition of a subject offered for study in the B. E. Course: Each subject offered in the B. E. Course

shall consist of relevant combinations of the following components:

Component (a):- Theory (for written examination) as detailed out in the syllabus.

Component (b):- Sessional for continuous internal assessment of a student through out the semester that shall be done as per the rules laid down in Section 6.

Component (c):- Practical and viva-voce as detailed out in the syllabus.

Section4: Requirements for sitting in the University Examination:- Each student shall have the mandatory requirement of at least 75% of attendance separately in the components (a) and (c) of a subject **for obtaining permission from an appropriate authority**, after paying the requisite fees, to sit in the university examination, subject to fulfilling the other requirements mentioned elsewhere in this regulation.

Section 5: Requirements for passing in the subject components:- To pass in the components of a subject, the following requirements are to be fulfilled:-

- (i) Each component of a subject shall have to be passed **separately** by a student. Otherwise the student shall be declared as “Failed” in that component of the subject
- (ii) The minimum pass marks shall be as under

Semester/Examination	Theory	Sessional	Practical & Viva-voce
1 st and 2 nd semester	30%	35%	35%
3 rd to 8 th semester	35%	40%	40%

However, the aggregate pass mark for a semester is fixed at 40%, without which a student shall be considered as having failed in that semester.

- (iii) Moreover, non-appearance in the Theory examination and/or Practical & Viva voce, and/or incapability to obtain the minimum pass mark in sessional shall be treated as “Failed” in the respective component of the subject.
- (iv) A student having “Failed” in component (a) and/or component (c) of a subject shall have to sit in the Compartmental Examination for that component(s). Similarly a student having failed in the component (b) shall be considered to have obtained a compartmental in it. The onus remains on the student to secure the minimum pass marks in component (b) by undergoing further coaching & assessment under the supervision of the subject teacher before the very next examination of the university. Fresh mark-sheet shall be issued indicating the academic session in which the

student has been able to secure the minimum pass mark.

- (v) A student shall be considered to have passed in a subject if he/she has passed all the three components of the subject separately as defined in Section 3.

Section 6: Requirements and Rules for Sessional (by internal assessment)

- (i) **The requirements** in giving sessional marks shall be as follows:-
 - (a) There shall be at least 30 (thirty) hours of teaching in component (a) of a subject corresponding to a maximum mark of 100 in that component. Similarly, there shall be at least 30 (thirty) hours of teaching in component (c) of a subject corresponding to a maximum mark of 100 in that component. For such maximum mark differing from 100 with respect to a component mentioned in this section, the minimum number of hours of teaching shall change proportionately.
 - (b) The concerned teacher for a subject shall submit the details of the teaching hours performed separately for all components of a subject in a standard format to the Head of the Department.
 - (c) The sessional marks shall have to be given by the concerned teacher in the “**Standard Mark Sheet Form**” of the Gauhati University through respective

Heads of the Departments for onward transmission to the University in due time.

(ii) **The rules for sessional (by internal assessment)**

shall be as follows:-

- (a) The internal assessment for sessional should be done on a continuous basis during the semester
- (b) There shall be four compulsory units for sessional (by internal assessment) and the break-up of marks shall be as follows:-

Attendance	Class test	Home work	<i>Impression</i> based upon the academic traits <u>judged by direct contact</u> (e.g. viva-voce, seminar, laboratory performance, skill, creativity, confidence etc. etc. as decided by the concerned teacher)
30%	40%	10%	20%

- (c) There shall be at least two class tests and the best performance may be considered for internal assessment.

- (iii) **For any other academic works:** For any other academic works needed by a student as per the B. E. Syllabus, the following points are to be noted:-

- (a) The concerned department has to endorse the work undertaken by a student
- (b) A Committee under the Chairmanship of the Head of the concerned department or his/her representative shall make provisions for:-
 - (1) review of the of the work, preferably at periodic intervals
 - (2) allocation of marks for assessment by the committee during the review as mentioned in (1) above

Section 7: Eligibility conditions for a student for admission to a higher semester based on university examination results of the B. E. Course: It is hereby ordained that the admission of a student of the B. E. Course to a higher semester is to be based upon the university examinations, therefore, the following are defined:-

- There shall be two sets of semester examinations held by the university:-
 - (1) **Regular Examinations** are End Semester Examinations (ESE) held for the candidate of a particular semester of the B. E. Course in which he/she is studying.
 - (2) **Compartmental Examinations** are those held for candidates who have already failed to pass subject components in earlier examinations.

- All *regular examinations* would be held after the completion of the course within the stipulated time of the semester as mentioned in *Section 1* unless any unavoidable situations occur. There shall be two sets of regular examinations called **ODD** semester examinations (comprising of 1st, 3rd, 5th and 7th semesters) and **EVEN** semester examinations (comprising of 2nd, 4th, 6th and 8th semesters).
- Similarly there shall be two sets of *Compartmental examinations* – one for ODD semesters held once in an academic year and the other for EVEN semesters held once in an academic year.

Therefore, the following conditions shall apply to a student of the B. E. Course for admission to a higher semester:

- (i) No student shall be admitted to the 3rd semester if the sum of the maximum marks, of component (a) and/or component (c) of the 1st semester subjects he/she has failed to pass, is more than 300 marks

- (ii) No student shall be admitted to the 4th semester if the sum of the maximum marks, of component (a) and/or component (c) of the 2nd semester subjects he/she has failed to pass, is more than 300 marks
- (iii) No student shall be admitted to the 5th semester if the sum of the maximum marks, of component (a) and/or component (c) of the 3rd semester subjects he/she has failed to pass, is more than 300 marks
and/or
if he/she has not passed all the components of the 1st semester subjects.
- (iv) No student shall be admitted to the 6th semester if the sum of the maximum marks, of component (a) and/or component (c) of the 4th semester subjects he/she has failed to pass, is more than 300 marks
and/or
if he/she has not passed all the components of the 2nd semester subjects.
- (v) No student shall be admitted to the 7th semester if the sum of the maximum marks, of component (a) and/or component (c) of the 5th semester subjects he/she has failed to pass, is more than 300 marks
and/or
if he/she has not passed all the components of the 3rd semester subjects.

- (vi) No student shall be admitted to the 8th semester if the *sum of the maximum marks*, of component (a) and component (c) of the 6th semester subjects he/she has failed to pass, *is more than 300 marks* and/or
if he/she has not passed all the components of the 4th semester subjects.
- (vii) A student who has not taken admission in a certain semester shall automatically nullify his/her qualification for appearance in the university examination and/or any assessment for that semester.
- (viii) Failing to pass and/or non-appearance in ESE of all the components (a) and (c) of the subjects of a semester, shall make a student liable to repeat the semester as a regular student with the next batch of students of that semester.

Section 8: Duration of the B. E. Course: A student admitted to the B. E. Course as per Section 2(i) shall have to pass the same within 8 (eight) academic years from the date of his/her admission. Similarly, A student admitted to the B. E. Course as per Section 2(ii) shall have to pass the same within 6 (six) academic years from the date of his/her admission. No student shall be allowed to sit for the university examination of the B. E. Course beyond the respective limits in the above two cases. However, under special circumstances, the Vice

Chancellor of the Gauhati University, after due recommendation of the Principal of the affiliated college and advise of the Academic Council, may allow a student to avail one extra chance in the university examination of the B. E. Course.

Section 9: Award of the Degree: A student shall be awarded the “Bachelor of Engineering” degree in the appropriate branch of engineering where he/she had been allowed to enroll after passing all the subjects of the curriculum for all the eight semesters.

Section 10: Award of Class with the degree:

- (i) There shall be two “Classes”, viz., (a) First Class and (b) Second Class based upon the aggregate percentage marks calculated from the marks obtained by a student fulfilling the requirements of pass marks in all the subjects of the eight semesters and as per the scheme shown in Section 10(ii).
- (ii) The percentage of marks carried forward from each semester for calculation of the aggregate percentage of marks for the award of the “Class” shall be as follows:-

For students having eligibility under Section 2(i)

Marks carried forward from the marks obtained	Marks carried forward from the maximum marks available
(a) 10% of the total marks secured in the 1 st and 2 nd semesters	(A) 10% of the maximum marks available in the 1 st and 2 nd semesters
(b) 20% of the total marks secured in the 3 rd and 4 th semesters	(B) 20% of the maximum marks available in the 3 rd and 4 th semesters
(c) 70% of the total marks secured in the 5 th and 6 th semesters	(C) 70% of the maximum marks available in the 5 th and 6 th semesters
(d) 100% of the total marks secured in the 7 th and 8 th semesters	(D) 100% of the maximum marks available in the 7 th and 8 th semesters
Sum of (a), (b), (c), (d) = Effective Total marks obtained	Sum of (A), (B), (C), (D) = Effective Maximum marks available
Aggregate percentage of marks obtained by the student for the award of "Class" is found by the ratio of "Effective Total marks obtained" and "Effective Maximum marks available"	

For students having eligibility under Section 2(ii)

Marks carried forward from the marks obtained in the subject component	Marks carried forward from the maximum marks available in the subject component
(a) 40% of the total marks secured in the 3 rd semester	(A) 40% of the maximum marks available in the 3 rd semester
(b) 20% of the total marks secured in the 4 th semester	(B) 20% of the maximum marks available in the 4 th semester
(c) 70% of the total marks secured in the 5 th and 6 th semesters	(C) 70% of the maximum marks available in the 5 th and 6 th semesters
(d) 100% of the total marks secured in the 7 th and 8 th semesters	(D) 100% of the maximum marks available in the 7 th and 8 th semesters
Sum of (a), (b), (c), (d) = Effective Total marks obtained	Sum of (A), (B), (C), (D) = Effective Maximum marks available
Aggregate percentage of marks obtained by the student for the award of “Class” is found by the ratio of “Effective Total marks obtained” and “Effective Maximum marks available”	

- (iii) Definition of the “First Class” degree:- A student shall be awarded the “First Class” degree only when the aggregate percentage marks obtained by him/her as per section 10(ii) shall be 65% or more.
- (iv) Definition of the “Second Class” degree:- A student shall be awarded the “Second Class” degree only when the aggregate percentage marks obtained by him/her as per section 10(ii) shall be less than 65%.
- (v) Separate mark-sheet shall be provided with respect to an examination (regular or compartmental) held for one or more of the three components of a subject for a particular session.

Section 11: Award of “Honours” with First Class degree:- A student awarded with the First class degree shall be awarded “Honours” only when the following conditions are simultaneously satisfied:-

- (a) he/she secures 75% of aggregate marks as per Section 10(ii)
- (b) he/she has not appeared in any compartmental examination in any component of a subject as defined in Section 3 in any semester as defined in Section 1.

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Regulation
WITH EFFECT FROM 2006

for the

FOUR YEAR
BACHELOR OF ENGINEERING
DEGREE COURSE

FOR

THE ENGINEERING COLLEGES
OF THE STATE OF ASSAM

AFFILIATED TO

THE GAUHATI UNIVERSITY JALUKBARI