

Academic Rules & Instructions

Registration:

01. Students must register for the courses they wish to attend. Without registration no one is allowed to attend classes.
02. Students may register for 9-15 credits (maximum 4 courses) in a semester. However, a student may take 5 courses, if the conditions are met and the advisor approves it.
03. The optimum size of each class is 50 students. A section may not be offered if less than 15 students enroll for it.
04. Registration must be confirmed with appropriate payments by the specified deadline, as indicated in the “**tuition payment structure**”. Failure to confirm registration by the deadline will result a student to be barred from attending classes.
05. No subject will be allowed together with internship program. Students having **CGPA 3.30** and above may be allowed to take project paper instead of internship program by the respective advisor.
06. Section change within the same course is not allowed once the semester begins.

Examination:

07. The Schedule for the midterm and the final examinations is provided with the booklet (**Registration Package**). It is student’s responsibility to select courses in a way so that those match with class and examination schedule.
08. Special mid-term will be allowed only for humanitarian ground. The students must apply to the Vice-Chancellor through Controller of Examination for special midterm exam. Decision to be given by honorable Vice-Chancellor. A fee of TK.1000/- per course will be charged for special midterm examination.
09. Students may be allowed to seat for special final exam on humanitarian ground, if the Head/Coordinator feels appropriate, the application is to be submitted to the ACAD with 07 days of the completion of exam for the approval of Controller of Examination. A fee of TK.1000/- per course will be charged for special final examination.
10. A student is required to attend 70% classes to be eligible to sit for the semester final examination on a particular course. However, if a student attains 50% to less than 70% attendance, s/he can still attend final examination with a fine of Tk. 1000/- for each course after being permitted by respective Dean/Head.
11. Students attaining less than 50% attendance shall not be allowed to sit for final exam.
12. Students having zero attendance shall not be allowed to sit for mid-term examination except being permitted by the Vice Chancellor

Academic Dismissal:

13. A student will be dismissed from university if his/her GPA fall **below 2.00** for consecutive 3 semesters, or gets F,X,Y grades in fourth attempts, or breach any of the university regulations.

Semester Leave:

14. A registered student who requires semester leave on valid ground must obtain permission before the commencement of the semester. The length of leave is a maximum of two semesters .The student taking semester leave must pay TK.1000/- as semester leave fee.

Semester Drop:

15. A registered Student must pay only semester fee of the semester if s/he applies for semester drop within one weeks of the commencement of the semester in presence of their Guardians/Parents, and after this time limit, s/he is liable to pay 100% of total payable amount for that particular semester. For semester drop, Parents/Guardians must remain present while submitting application.

Course Improvement/Retake:

16. i) For an ‘F’ grade & Improvement of any grade the ‘F’ course must be repeated within the next 3(three) consecutive semesters but pre- requisite course/s must be repeated on priority basis.
ii) As for the improvement of grade of any course, the incumbent student may be allowed to repeat for improvement of that course only once if s/he earns up to ‘B’ grade. It must be taken within the next 3 (three) consecutive semesters.
17. Students are required to complete total credits of the program.

Disclaimer:

The authority reserves all the rights to change, add, and/or cancel anything in the registration information booklet including academic calendar, class routine, exams schedule, and course offering.

Academic Calendar Fall 2017

- Registration Date (by student portal) : August 04 to August 19, 2017
- Semester Begins** : September 08, 2017
- Add-drop courses if needed (Section change is not allowed)** : September 08 to 16, 2017
(Prerequisite Incomplete & Last semester students)
- Deadline for Payment to Confirm Registration** : September 23, 2017
(Payment should be minimum of 40% of the total tuition fees)
- Late Registration with Tk. 1000/- fine** : September 29 to October 07, 2017
(Less than 40% payment will be treated as late registration)
- Deadline for Semester Drop** : September 08 to 23, 2017 (only semester fee to be paid)
(Filled the Prescribe Form available in ACAD)
- Class and Exam Schedule:**
 - I) Class Period before Mid-Term : September 08 to October 07, 2017
 - II) **Mid-Term Examinations** : October 13 to 21, 2017
 - III) Class Period before Final : October 27 to December 09, 2017
 - IV) **Final Examinations** : December 15 to 23, 2017
- Publication of Results** : December 30, 2017
- “Students must complete Teaching Efficiency Rating (TER) before the final exams. If any student fails to fill up TER Form, his/ her results will remain withheld automatically.**

Tuition Payment Structure

| Option 1 | Option 2 (Pay in Installments) | Payment Date |
|--|--|--------------------------|
| Pay 100% of the semester tuition and other fees at the time of registration Otherwise use option 2 → | <u>Installment 1: (Within one week of class starts)</u> ➤ Pay minimum 40% of the semester tuition and other fees. ➤ If fails a student will be fined Tk.1000/= to be paid within one week after expiry of deadline. | September 23,2017 |
| | <u>Installment 2: (Before Mid Term Exam)</u> ➤ Pay minimum 30% of the rest of the semester tuition fees. ➤ Failure to pay as specified, a student will be fined Tk.1000/= | October 13, 2017 |
| | <u>Installment 3: (Before Final Exam)</u> ➤ Pay remaining balance of the semester tuition fees. ➤ Failure to pay as specified, a student will be barred from attending Final Examinations. | December 15, 2017 |

Northern University Bangladesh
Course Offers for Fall 2017 Semester (Evening)
Department of EEE

| Semesters | Course Code | Course Title | Credit Hours | Prerequisite | Section |
|-------------------|-------------|---|--------------|----------------------|------------|
| Semester 1 | | | | | |
| 1 | EEE 1101 | Electrical Circuits I | 3 | - | |
| 1 | ENG 1203 | English II (Advanced) | 3 | - | |
| 1 | PHY 1203 | Physics II (Electromagnetism, Optics and Modern Physics) | 3 | - | |
| 1 | MATH 1101 | Mathematics I (Differential Calculus and Integral Calculus) | 3 | - | |
| 1 | CHM 1201 | Chemistry | 3 | - | |
| 1 | CHM 1202 | Chemistry Lab | 1 | CHM 1201 | |
| | | Total Credits for Year: 2 Tri-semester: 1 | 16 | | |
| Semester 2 | | | | | |
| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
| 2 | EEE 1203 | Electrical Circuits II | 3 | EEE 1101 | A, B |
| 2 | EEE 1102 | Electrical Circuits Lab | 1.5 | EEE 1203 | A, B, C |
| 2 | EEE 1305 | Electronic Devices | 3 | EEE 1203, PHY 1203 | A, B |
| 2 | EEE 1306 | Electronic Devices Lab | 1.5 | EEE 1305 | A, B, C |
| 2 | MATH 1303 | Mathematics II (Differential Equation, Fourier Analysis & Set theory) | 3 | MATH 1101 | A, B |
| 2 | ME 1301 | Mechanical Engineering Fundamentals | 3 | PHY 1203 | A, B |
| | | Total Credits for Year: 2 tri-semester: 2 | 15 | | |
| Semester 3 | | | | | |
| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
| 3 | EEE 2107 | Structured Programming Language | 2 | MATH 1303 | A, B, C |
| 3 | EEE 2108 | Structured Programming Language Lab | 1 | EEE 2107 | A, B, C, D |
| 3 | EEE 2109 | Analog Electronics I | 3 | EEE 1305 | A, B, C |
| 3 | EEE 2219 | Electromagnetic Fields & Waves | 3 | PHY 1203 | |
| 3 | MATH 2105 | Mathematics III (Complex Variable & Laplace Transformation) | 3 | MATH 1101, MATH 1303 | A, B, C |
| 4 | EEE 2323 | Energy Conversion I | 3 | PHY 1203 | A, B, C |
| | | Total Credits for Year: 2 tri-semester: 3 | 15 | | |
| Semester 4 | | | | | |
| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
| 4 | EEE 2215 | Analog Electronics II | 3 | EEE 2109 | A, B |
| 4 | EEE 2216 | Analog Electronics Lab | 1.5 | EEE 2109, EEE 2215 | A, B, C |

| | | | | | |
|------|-----------|---|-----------|----------------------|---------|
| 4 | EEE 3233 | Energy Conversion II | 3 | EEE 2323 | A, B |
| 4 | EEE 3234 | Energy Conversion Laboratory | 1.5 | EEE 2323, EEE 3233 | A, B, C |
| 4, 7 | GED 2303 | Engineering Ethics/ Sociology/Human values and Morality | 3 | - | A, B |
| 4 | MATH 2207 | Mathematics IV (Matrices, Vectors & Coordinate Geometry) | 2 | MATH 1101, MATH 1303 | A, B |
| | | Total Credits for Year: 3 tri- semester: 1 | 14 | | |

| | | | | | |
|-------------------|--|--|--|--|--|
| Semester 5 | | | | | |
|-------------------|--|--|--|--|--|

| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
|-------|-------------|---|--------------|----------------------|---------|
| 5 | EEE 2217 | Digital Electronics | 3 | EEE 2109, EEE 2215 | A, B |
| 5 | EEE 2218 | Digital Electronics Lab | 1.5 | EEE 2217 | A, B, C |
| 5 | EEE 3337 | Control Systems Engineering | 3 | EEE 2321 | A, B |
| 5 | EEE 3338 | Control Systems Engineering Lab | 1.5 | EEE 3337 | A, B, C |
| 5 | EEE 2321 | Signals and Systems | 3 | MATH 1101, MATH 2105 | A, B |
| 5 | EEE 2322 | Electronic System Simulation Lab | 1.5 | EEE 1203, EEE 2109 | A, B, C |
| | | Total Credits for Year: 3 tri- semester: 2 | 13.5 | | |

| | | | | | |
|-------------------|--|--|--|--|--|
| Semester 6 | | | | | |
|-------------------|--|--|--|--|--|

| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
|-------|-------------|---|--------------|--------------|------|
| 6 | EEE 3231 | Power System I | 3 | EEE 3233 | A |
| 6 | EEE 3232 | Power System I Laboratory | 1.5 | EEE 3231 | A, B |
| 6 | EEE 3127 | Digital Signal Processing | 3 | EEE 2321 | A |
| 6 | EEE 3128 | Digital Signal Processing Lab | 1.5 | EEE 3127 | A,B |
| 6 | EEE 3335 | Communication Theory | 3 | EEE 2321 | A |
| 6 | EEE 3336 | Communication Theory Lab | 1.5 | EEE 3335 | A, B |
| | | Total Credits for Year: 3 tri- semester: 3 | 13.5 | | |

| | | | | | |
|-------------------|--|--|--|--|--|
| Semester 7 | | | | | |
|-------------------|--|--|--|--|--|

| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
|-------|-------------|---|--------------|---|---|
| 7 | EEE 4143 | Solid State Devices | 3 | EEE 1305 | A |
| 4,7 | GED 2303 | Engineering Ethics/ Sociology/Human values and Morality | 3 | | A |
| 7 | EEE 4235 | Optical Fiber Communication | 3 | EEE 3335 | A |
| 7 | EEE 4273 | Power Electronics | 3 | EEE 2215, EEE 3231 | A |
| 7 | EEE 4274 | Power Electronics Laboratory | 1.5 | EEE 4273 | A |
| 7 | EEE 4000 | Project/Thesis | 5 | Minimum of 80 Credits must be completed excluding registered courses for Fall 2016 | A |
| | | Total Credits for Year: 4 tri- semester: 1 | 18.5 | | |

| | | | | | |
|-------------------|--|--|--|--|--|
| Semester 8 | | | | | |
|-------------------|--|--|--|--|--|

| SI No | Course | Course Title | Credit Hours | Prerequisite | |
|-------|--------|--------------|--------------|--------------|--|
|-------|--------|--------------|--------------|--------------|--|

| | | | | | |
|-------------------|--------------------|--|---------------------|---------------------|---|
| | Code | | | | |
| 8 | EEE 4275 | Power plant Engineering | 3 | | A |
| 8 | EEE 4339 | Mobile Cellular Communication | 3 | EEE 3335 | A |
| 8 | EEE 4379 | Power Syster Reliability | 3 | EEE 3231 | A |
| 8 | EEE 4389 | Renewable Energy Technology | 3 | EEE 3231 | A |
| | | Total Credits for Year: 4 tri-semester: 2 | 12 | | |
| | | | | | |
| Semester 9 | | | | | |
| SI No | Course Code | Course Title | Credit Hours | Prerequisite | |
| 8,9 | EEE 4339 | Mobile Cellular Communication | 3 | EEE 3335 | A |
| 8,9 | EEE 4379 | Power Syster Reliability | 3 | EEE 3231 | A |
| 8,9 | EEE 4389 | Renewable Energy Technology | 3 | EEE 3231 | A |
| | | Total Credits for Year: 4 tri-semester: 3 | 9 | | |

Northern University Bangladesh
Examination Schedule for Fall 2017 Semester (Evening)
Department of EEE

| Day | First Slot | Second Slot | Third Slot |
|--------------|--|---|--|
| Day 1 | EEE 1101 Electrical Circuits I (1) EEE 2107 Structured Programming Language (3) EEE 3231 Power System I (6) EEE 4275 Power plant Engineering (8) | EEE 1203 Electrical Circuits II (2) EEE 2215 Analog Electronics II (4) EEE 2217 Digital Electronics (5) EEE 4235 Optical Fiber Communication (7) | |
| Day 2 | | EEE 1305 Electronic Devices (2) EEE 2109 Analog Electronics I (3) EEE 4339 Mobile Cellular Communication (8,9) | PHY 1203 Physics II (Electromagnetism, Optics and Modern Physics) (1) EEE 3233 Energy Conversion II (4) EEE 3127 Digital Signal Processing (6) EEE 3337 Control Systems Engineering (5) |
| Day 3 | | | MATH 1101 Mathematics I (Differential Calculus and Integral Calculus) (1) EEE 2219 Electromagnetic Fields & Waves (3) EEE 4143 Solid State Devices (7) |
| Day 4 | MATH 1303 Mathematics II (Differential Equation, Fourier Analysis & Set theory) (2) EEE 2321 Signals and Systems (5) EEE 3335 Communication Theory (6) | ENG 1203 English II (Advanced) (1) MATH 2105 Mathematics III (Complex Variable & Laplace Transformation) (3) EEE 4379 Power System Reliability (8, 9) GED 2303 Engineering Ethics/ Sociology/Human values and Morality (4,7) | |
| Day 5 | | CHM 1201 Chemistry (1) MATH 2207 Mathematics IV (Matrices, Vectors & Coordinate Geometry)(4) EEE 4273 Power Electronics (7) | ME 1301 Mechanical Engineering Fundamentals (2) EEE 2323 Energy Conversion I (3) EEE 4389 Renewable Energy Technology (8,9) |