



Islamic University of Technology (IUT)

Semester (3rd) Final Exam schedule



Time: 10:00am to 1:00pm (3 hours)

| | Subject | Syllabus | Notes |
|-------------------------------|-------------------------------------|--|--|
| Wednesday 09 April | Math 4341 Linear Algebra | <p>Introduction to Linear Algebra (Gilbert Strang): Chapter: 1.1, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 6.1, 6.2, 7.1</p> <p>Elementary Linear Algebra (Howard Anton, Chris Rorres): Chapter: 1.1, 1.2, 1.3, 1.4, 1.5, 1.7, 3.1, 5.2, 5.3, 5.4, 5.5, 5.6, 9.3, 7.1, 7.2, 7.3</p> | Practice from the exercises given in the books as much as you can. Your answer should be short, clear and concise. |
| 1 day gap | | | |
| Friday 11 April | CSE 4307 DBMS | Chapter: 3,4,5,6,7,10(partial), 14(partial) | |
| 4 days gap | | | |
| Wednesday 16 April | CSE 4305 COA | Chapter 6, 7, 8, 12, 13, 14, 20 | |
| 1 day gap | | | |
| Friday 18 April | CSE 4301 OOP | <p>After Mid: Chapter 11,12, 13, 14, 15</p> <p>Before Mid: Objects and Classes, Operator Overloading, Friend Functions, Inheritance</p> | <p>After Mid ~5 sets of question</p> <p>Before Mid ~ 1 set of questions</p> |
| 3 day gap | | | |
| Tuesday 22 April | CSE 4303 DS | All except Queue, linked list and AVL tree | <ul style="list-style-type: none"> • Must focus more on after mid part • No clear division of marks but roughly 2/3 of the |
| 1 day gap | | | |
| Thursday 24 April | EEE 4383 | <p>FET: Working principle, curves, math shown in class and quiz, drawing graphs, DC and AC biasing.</p> <p>Diode: <i>nai</i> (no clipper clamper as well)</p> <p>BJT: Slide maths, RE model(very important), biasing related maths, maths in slide, basic theory-based questions(5 marks each).</p> <p>Op Amp: Maths in assignments, combined circuit, cascaded circuit, differentiator, integrator circuit.</p> | Question Pattern: 2 from FET, 2 From BJT, 2 From OP amp. 70% math and 30% theory |

NB: This syllabus will be updated upon new information. Be sure to have the latest version from GitHub repo: [THIS REPO](#) This version: 26 March, 2025 5:01 AM.