

HONOURS IN MEMS

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MOTIVATION

MEMS has a very broad curriculum

Most core courses are introductory and not in-depth

Explore sub-fields and identify interests

Study interesting higher level topics

Knowledge is transferrable



MOTIVATION

HOW TO COMPLETE?

Total 24 extra credits

2 compulsory courses + 2 electives

Large pool of electives - Can tailor your experience

No CPI criteria/pre-registration

Can start* and finish anytime

Can take multiple courses in 1 semester

HOW TO COMPLETE





COMPULSORY COURSES



MM 206

Fun, interesting, easy, useful, personal favourite

Introduction to experimentation in MEMS

Topics like-XRD, SEM, Thermal and Electrical Analysis

Fun and easy Project

Maybe a core course from next year*



EXPERIMENTAL TECHNIQUES IN MATERIALS SCIENCE

MM 492



First Official exposure to Credited Research

Can be taken 6th semester onwards ONLY

Can choose Guide and Topic

Final Exam - Report + Presentation

AA Grade - Eligible for URA 02

BB Grade or higher - Eligible for MM 494

B.TECH PROJECT I



ELECTIVES



ELECTIVES

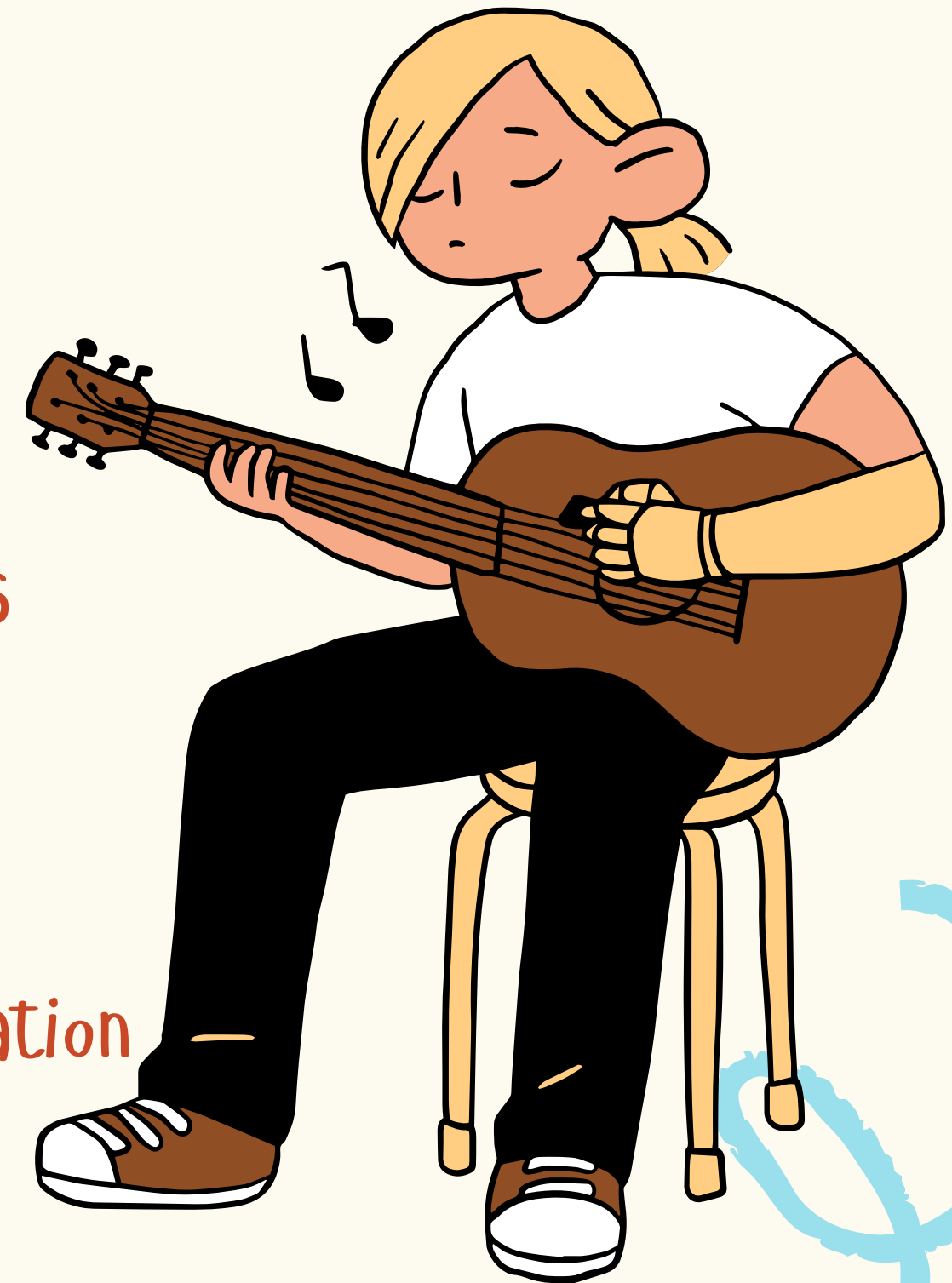
Almost any MM 4XX and higher courses

Must not be a core course

Allows you to explore and learn advanced concepts

Can choose courses on topics like- Semiconductors,
Thin Films, Lasers and Nanomaterials, Ceramics,
Composites, Iron and Steel, Simulation and Optimization

Can also choose MM 494 - B.Tech Project II





THANK YOU FOR LISTENING



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