Electrodynamics and Radiative Processes I

Course Details

Bhaswati Bhattacharyya

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IUCAA NCRA Graduate School

August-September 2019

Date : 5th August 2019

Schedule of Lectures

Course consists of ~14 lectures (1-1.5 hrs)
Slots are booked on, Mon and Thurs 14:30 - 15:30

Lectures will be held on,
August 5(L1), 8(L2),
14(L3), 19(L4),
22 (L5), 26 (L6),
29(L7)

A1 : 8th Aug- 19th Aug
A2: 22nd Aug -3rd Sep
A3: 9th Sep -26th Sep

September 3(L8), 5(L9),
9 (L10), 12(L11),
16 (L12,13)

You will be informed in case of rescheduling.

My contact

Contact: my office number in NCRA is F211;
the phone number is (020) 25719253.
email: bhaswati@ncra.tifr.res.in.

Information/updates/news about the course will be put up at webpage
http://www.ncra.tifr.res.in/~bhaswati/Teaching/Electrodynamics_Radiative_ProcessesI_2019/index.html

Lectures will be uploaded to this site before each class.

Make sure you check the webpage periodically.

Primary Reference

- Radiative processes in Astrophysics

Authors: Rybicki and Lightman

- High Energy Astrophysics

Authors: Malcolm S. Longair

Rest will be mentioned in the lectures

Evaluation Procedure

Mini Assignments (3 sets after each topic) : 40 %

Project : 20%

Performance in class : 10 %

Final exam (closed book) : 30 %

Evaluation Procedure

Project :
Will be assigned on 14th August
Submission of report (max 4 pages) by 20th September

Mini Assignment (3 sets)

Final Examination :
26th September ~ 2:30-5:30 PM