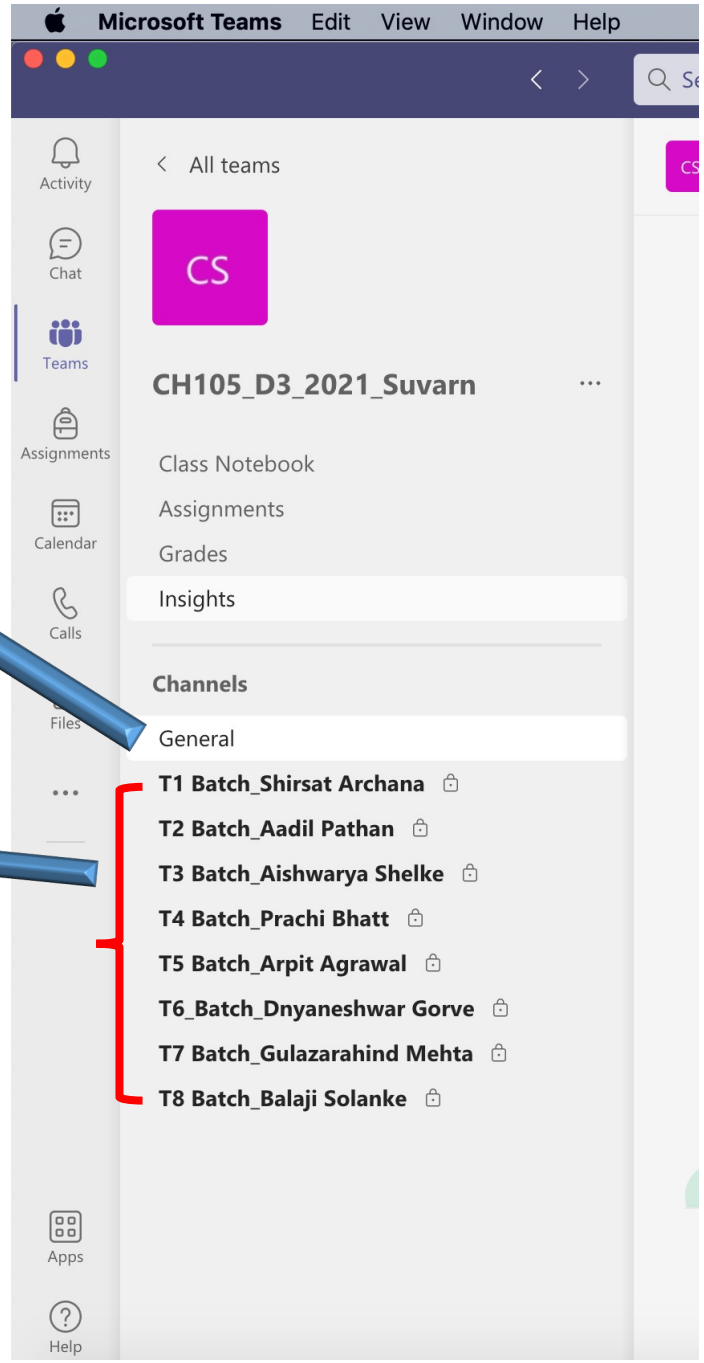
CH-105 Inorganic

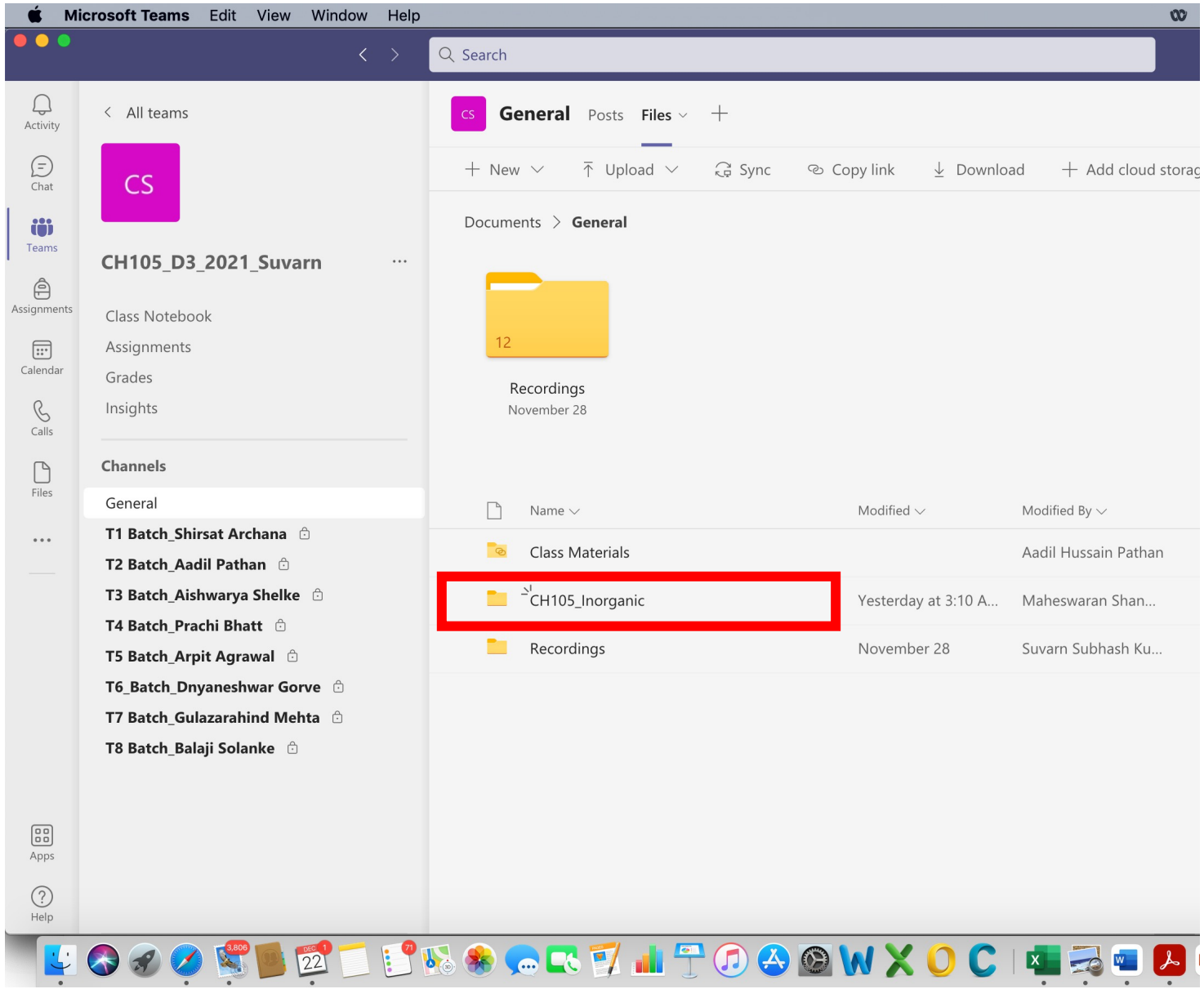
D3 Division
Dec 2021

For Thursday
Interactive session
For all D3 Division

For Wednesday
Tutorial

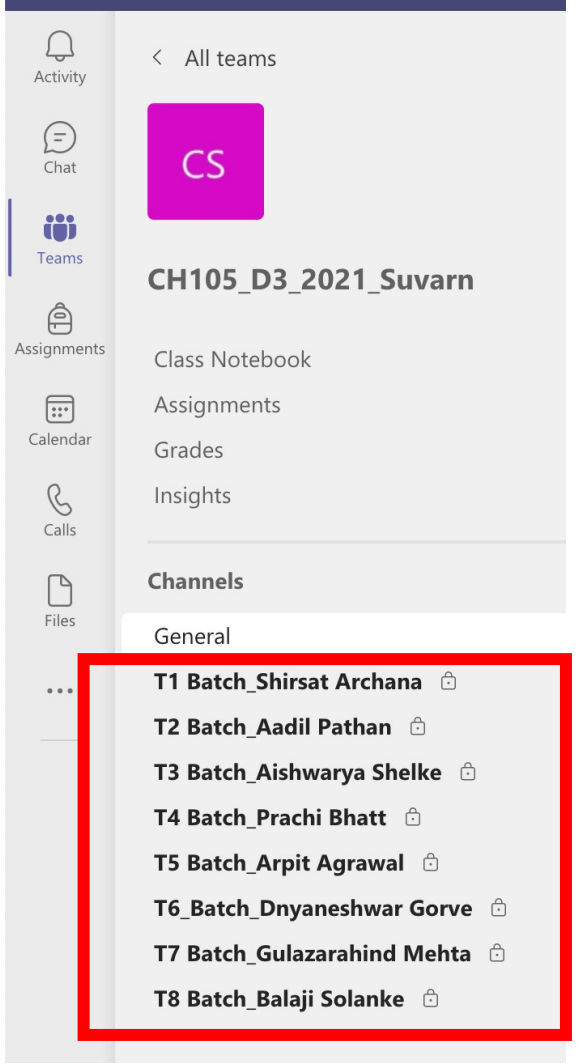


Where to find video lectures, slides and tutorial problems?



Eight Tutorials batches for D3 students

D3-T1	LSP	
D3-T2	PG	
D3-T3	GKL	
D3-T4	Argha Saha, 184033049	Harshvardhan Nigam
D3-T5	Maya Kumari	Deshmukh Gopal Diliprao,
D3-T6	Navneet Matharoo, 194030001	Animesh Ghosh, 194033009
D3-T7	Savi Chaudhary, 194030002	Bharti Yadav, 184030014
D3-T8	Nettem Chandra Sekhar	Md Ashif Ali, 184033001



Planning D3

D3 Prof. Leela Srinivas Panchakarla

1st class week (23rd to 30th December)

Monday 11:30 a.m. - 12:25 p.m.

Tuesday 08:30 a.m. – 09:30 a.m.

---- Watching video lectures of 3 hrs.

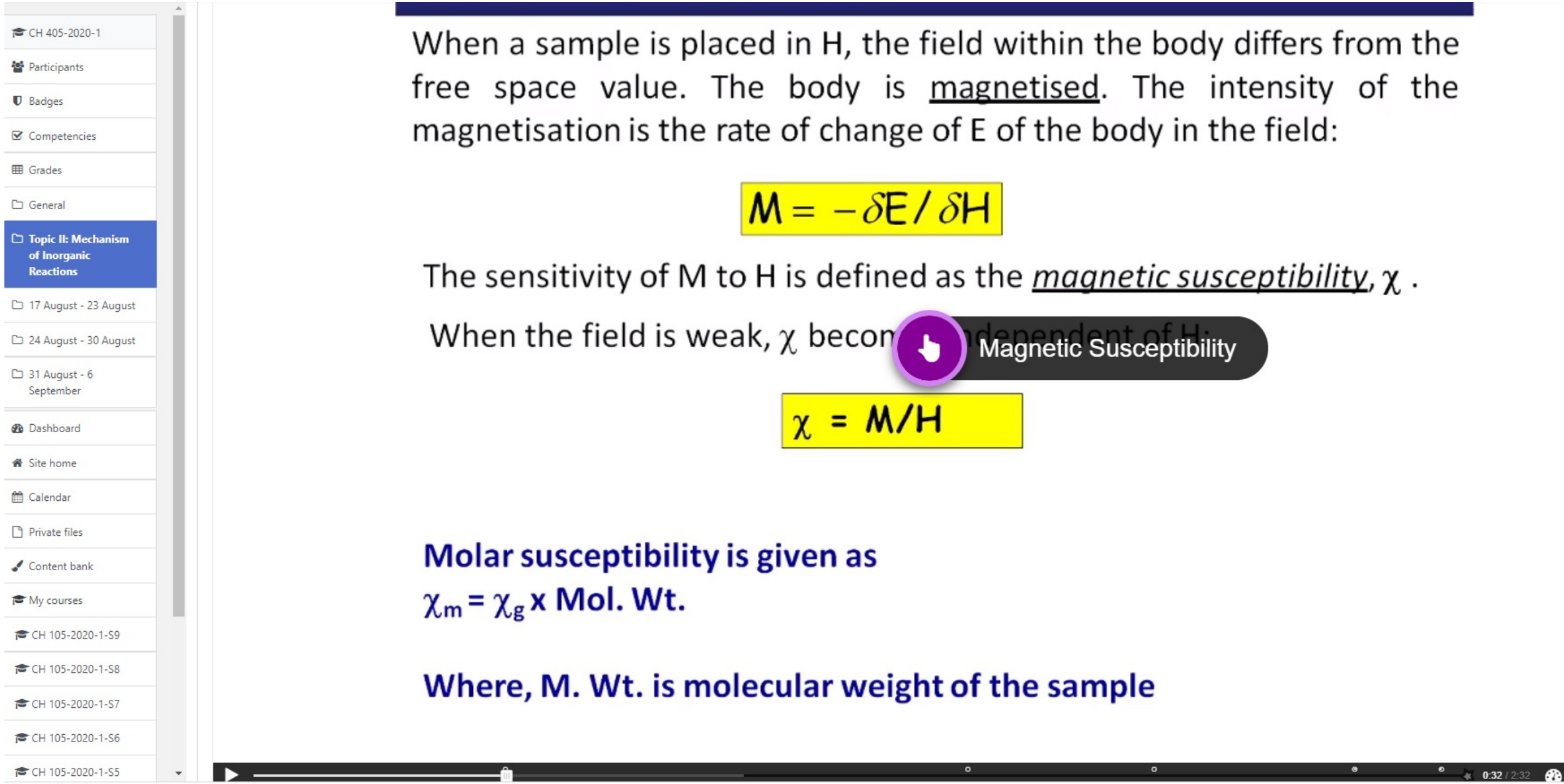
by Wed 10:00 am ---- 3 H5Ps (containing 5 Questions each needs to be answered in Moodle).
Each expected to take ~2-3 minutes.

Wednesday 02:00 - 02:55 p.m. ---- Tutorial for all students. Each sections (T1-T8) divided by 8 tutorial batches.

Thursday 09:30 - 10:30 a.m. ----- Class hour for D3 in MST

2nd class week (3rd to 7th Jan) - Repeat
3rd class week (10th to 13th Jan) - Repeat

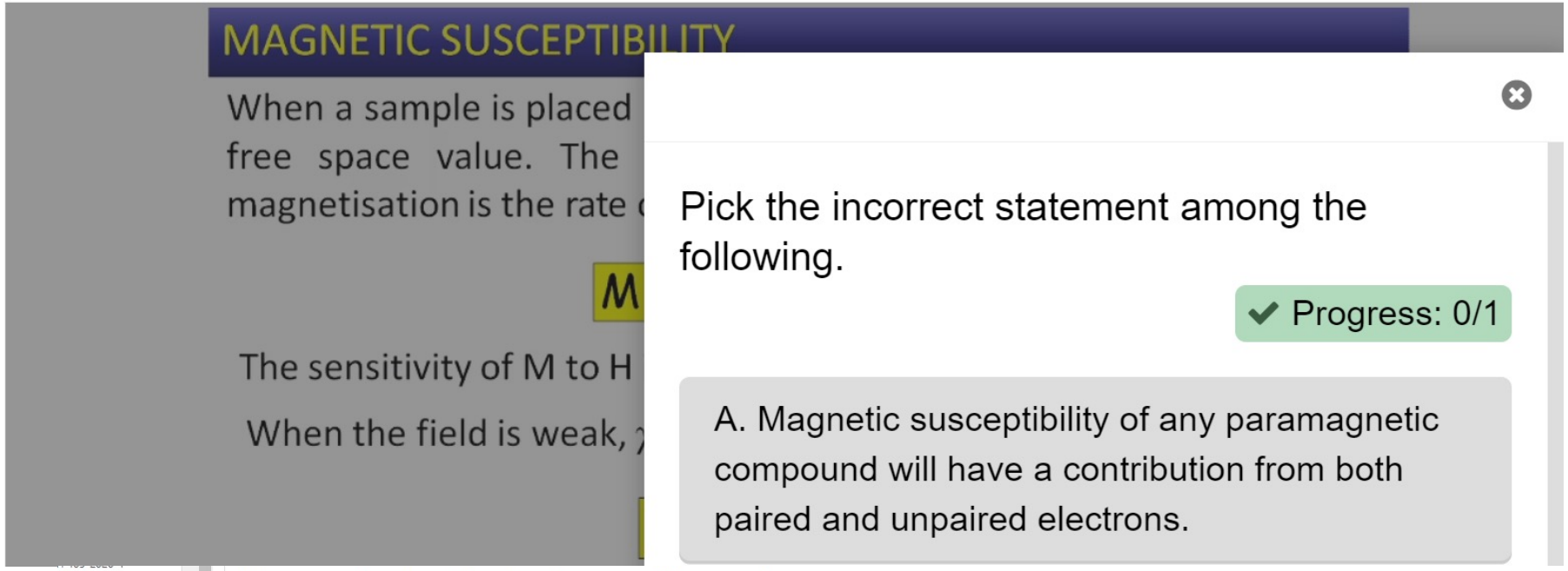
H5P in Moodle…How to



Advanced Transition Metal Chemistry

Magnetism, Transition & Lanthanide ions and their complexes

Magnetism, Transition & Lanthanide ions and their complexes



Pick the incorrect statement among the following.

Progress: 0/1

A. Magnetic susceptibility of any paramagnetic compound will have a contribution from both paired and unpaired electrons.

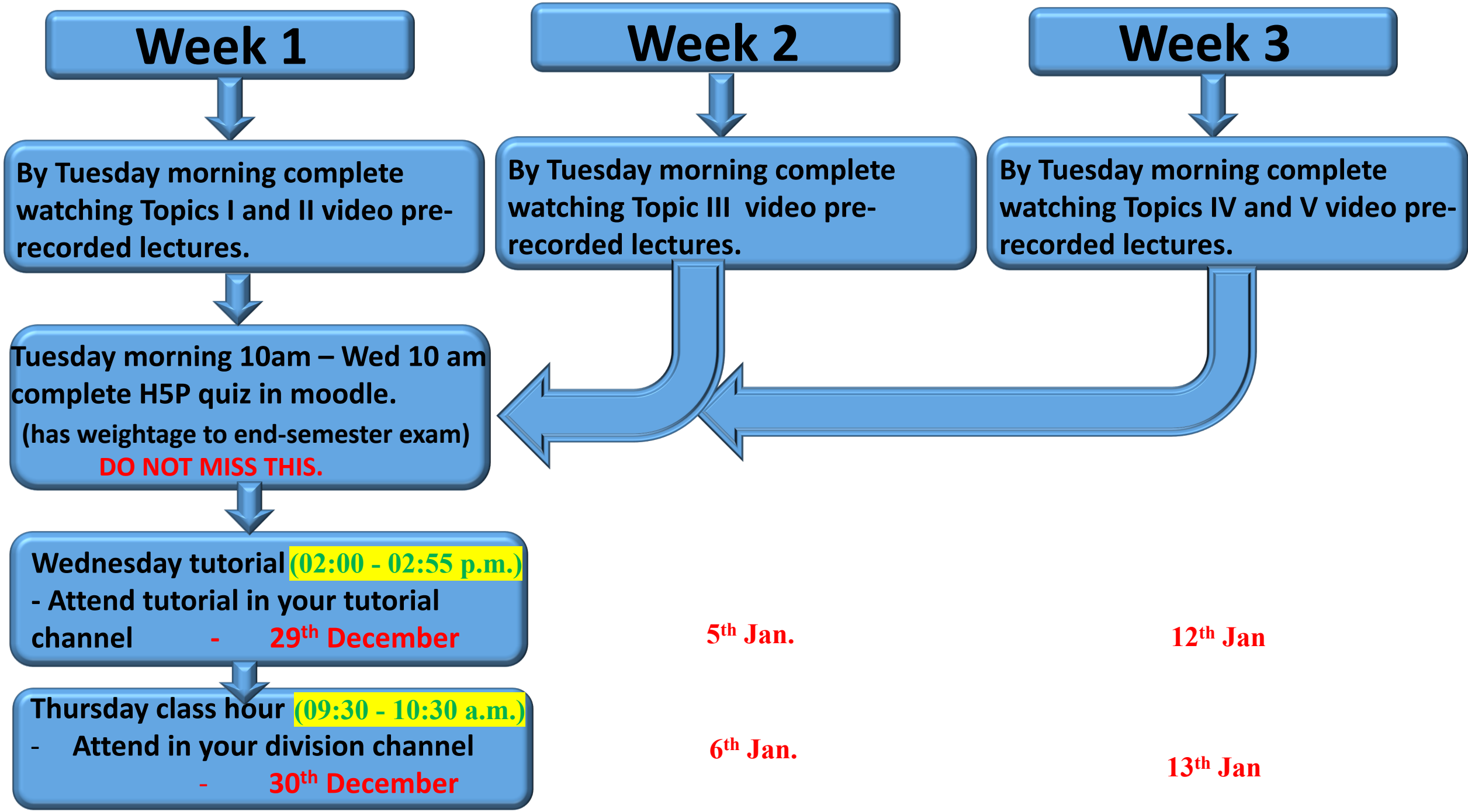
Magnetism, Transition & Lanthanide ions and their complexes

Magnetism, Transition & Lanthanide ions and their complexes

5 Question(s) answered

You have answered 5 questions, click below to submit your answers.

Submit Answers

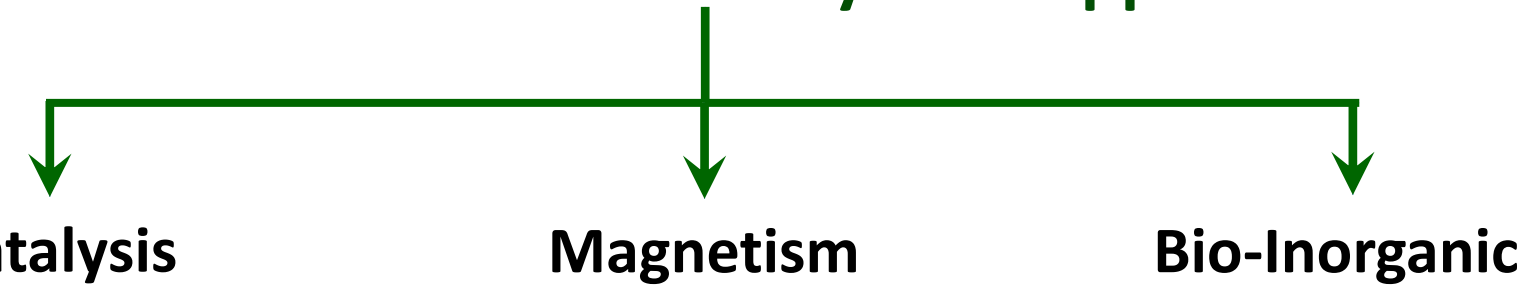

Week 1
Week 2
Week 3
By Tuesday morning complete watching Topics I and II video pre-recorded lectures.
By Tuesday morning complete watching Topic III video pre-recorded lectures.
By Tuesday morning complete watching Topics IV and V video pre-recorded lectures.
Tuesday morning 10am – Wed 10 am complete H5P quiz in moodle.
(has weightage to end-semester exam)
DO NOT MISS THIS.
Wednesday tutorial (02:00 - 02:55 p.m.)
- Attend tutorial in your tutorial channel - 29th December
5th Jan.
12th Jan
Thursday class hour (09:30 - 10:30 a.m.)
- Attend in your division channel
- 30th December
6th Jan.
13th Jan

Topics Covered In This Course

Topic 1. Properties of elements & compounds

Topic 2. Basic principles of extraction of metals from ores & purification

Topic 3. Transition metal chemistry & its applications



Recommended Text Books

(1) Concise Inorganic Chemistry - J.D. Lee

(2) Shriver & Atkins' Inorganic Chemistry
P. Atkins, T. Overton, J. Rourke, M. Weller, F. Armstrong

(3) Chemistry 4th Edition, Catherine E. Housecroft Edwin C. Constable