

Level

- ▶ D level course
- ▶ Elective for Nanotechnology Program
- ▶ Year 2 – Period 1
- ▶ Focus on Solution Based Nanomaterials Fabrication/Synthesis Techniques

- ▶ Grading scale: A–F

- ▶ Examination:
- ▶ Assignments TUT1, TUT2, TUT3: 1p each: 3p
- ▶ Oral Presentation: 3p

Contact Info

Lecturer:

Assoc. Prof. Muhammet Toprak
office: room 3210 – Electrum 229
e-mail: toprak@kth.se
tel: 08 7908344
Mobile: 0735519358

Address:

ICT School
Functional Materials Division, Electrum 229

KTH Social:

<https://www.kth.se/social/course/IM2657/>

Schedule

- v36–v44
- Conflicts with other courses?
- New Schema Suggestions?

Schedule (v36–v44)

Courses	Programme	Groups	Services	
Week 36				Include in my calendar
Mon 2 sep 09:00-10:00	Föreläsning			<input checked="" type="checkbox"/>
HT 2013 TNTEM				
LECTURE				
Target groups: TNTEM2, IM2657H131				
<i>Note: All undervisning i egen sal 1 comments</i>				
Thu 5 sep 13:00-15:00	Föreläsning			<input checked="" type="checkbox"/>
HT 2013 TNTEM				
LECTURE				
Target groups: TNTEM2, IM2657H131				
Week 37				Include in my calendar
Mon 9 sep 10:00-12:00	Föreläsning			<input checked="" type="checkbox"/>
HT 2013 TNTEM				
LECTURE				
Target groups: TNTEM2, IM2657H131				
Thu 12 sep 13:00-15:00	Övning			<input checked="" type="checkbox"/>
HT 2013 TNTEM				
EXERCISE				
Target groups: TNTEM2,				

Participants

Check expected participants

7 participants

	Last name	First name	E-mail	Programme	Admission term
	Di Novo	Wildor	wildor@kth.se	ME	HT2004
	Ekström	Mattias	mekstr@kth.se	TNTEM	HT2012
	Lüdicke	Sandra	ludicke@kth.se	TNTEM	HT2012
	Mörsdorf	Alexander	morsdorf@kth.se	TNTEM	HT2012
	Satheesh	Srejjith	srejjith@kth.se	TNTEM	HT2012
	Sun	Yuxuan	yuxuans@kth.se	TNTEM	HT2012
	Zhao	Wei	weizhao@kth.se	CMIEL	HT2007

Check expected participants

Solution Based Techniques

- ▶ Chemical Principles
 - Molecular Forms
 - Intermolecular interactions
 - Stoichiometric Chemical Calculations
- ▶ Sol-gel Synthesis
- ▶ Solution co-precipitation
- ▶ Microemulsion Synthesis
- ▶ Electrochemical Synthesis
- ▶ Thermolysis
- ▶ Self-Assembly
 - Directed Assembly

Teachers

- ▶ Assoc. Prof. Muhammet Toprak
- ▶ Dr. Abhilash Sugunan
- ▶ Dr. Salam Uheida