TIMETABLE CH1012 SEMESTER 1 2007

Inorga	iic Cher	nistry			
Week1	Tue	L	lect1.ppt	Intro: Bonding, equilibria	
	Tue	Р	Prac 1	Safety practical	
26/2	Fri	L	lect2.ppt	Colloids & Formation	
	Fri	L	lect3.ppt	Charge & Surface/ Lyophobic & Lyophilic	
	Fri	L	lect4.ppt	Group IA and IIA	
Week	Module			-	
1	1		Introduction Bonding, Equili	bria, Colloids formation and properties.	
Week2	Tue	L	lect5.ppt	Complexes & Organometallics, Group II	
	Tue	Р	Prac 2	Colloids	
5/3	Fri	L	lect6.ppt	Group IIIA and IVA reactivity.	
	Fri	L	lect7.ppt	Transition Metals, Coordination cmps, K _{Sp}	
	Fri	Т	tutorial1.doc	Colloids + revision	
Week	Module				
2	2		Groups 1A and IIA, Compex	es, Organometallics, Group IIIA and IVA.	
Week3	Tue	L	lect8.ppt	Stereochemistry/Ligands	
	Tue	Р	Prac 3	Chemical Equilibria starts 30min early	
12/3	Fri	L	lect9.ppt	Macrocycles/Naming/Isomers	
	Fri	L	lect10.ppt	Isomers	
	Fri	Т	tutorial2.doc	Periodicity & organometallics	
Week	Module				
3	3		Transition metal properties, c	coordination compounds, ligands, stereochemistry.	
Wook/	Тиа	No cl	lacsos this wool		
10/3	Tue Fri	"	lasses this week		
Week	Module				
Δ	Δ		Naming of coordination compounds macrocyclic ligands isomers xystal field		
-	-		theory spectrochemical series activity series		
Physica	l Chem	istry	1 10	N (11	
Week5	Tue	L	lect13.ppt	Metallurgy	
	Tue	L	lect11.ppt	<i>Xystal field theory</i>	
		L	lect12.ppt	Redox/Meta., Balance redox	
		Т	tutorial3.doc	Stereochemistry & naming	
26/3	Fri	L	lect14.ppt	Alloys and advanced materials	
	Fri	Т	tutorial4.doc	Crystal field, isomers, redox/metathesis	
	Fri	L	lect15.ppt	Review of weeks 1-5	
Week	Module				
5	5	Activity series, metallurgy, alloys, ceramics.			

Week6	Tue	L	lect16.ppt	Real Gases, Phase Diagrams		
	Tue	Р	Prac 4	Copper cycle		
2/4	Fri	L	Good Friday Holic	lay		
	Fri	L	"	-		
	Fri	Т	"			
Week	Modu	le				
6	6		Real gases, Phase diagrams, distillation, Henry's Law, Quantum nun			
Week7	Tue	L	Test1			
	Tue	L	lect17.ppt	Distillation, Henry's Law		
		L	lect18.ppt	Q.Nos, Pauli, aufbau, Hund's rule		
		L	tutorial5.doc	Phase equilibria and quantum nos.		
9/4	Fri	L	lect19.ppt	MO theory		
	Fri	L	lect20.ppt	Spectroscopy		
	Fri	L	lect21.ppt	Naming of Organic cmpds.		
Week	Modu	le				
7	7		MO theory, Spectroscopy, revision naming of organic compounds, purification			
		of organic compounds. heterocyclic amines, thiols, PAH, steriods,				
			alkaloids			

Semester Break (16/4 – 22/4)

Holidays (Good Friday 6, Easter Monday 9)

Organic Chemistry				
Week8	Tue	L	lect22.ppt	Purification of Organic compounds
	Tue	Р	Prac 5	tris(oxalato)Fe(III)
23/4	Fri	L	lect23.ppt	Characterisation of Organics IR & UV / Vis
	Fri	L	lect24.ppt	NMR I.
	Fri	Т	tutorial6.doc	MO theory and organic naming
Week	Module	9		
8	8		Characterision of organics IR, UV/Vis, NMR.	
Week9	Thu	L	lect25.ppt	NMR II
	Tue	Р	Prac 6	Spectroscopy
30/4	Fri	L	lect26.ppt	Reaction Types & E profile, hybridisation
	Fri	L	lect27.ppt	Redox rxns. Radical subsn alkanes.
	Fri	Т	tutorial7.doc	Characterisation of organics
Week	Module			
9	9		Reaction types, E profile, redox reactions, hybridisation.	
Week1	<u>0</u> Tue	L	lect28.ppt	Alkenes, Electro. Addition
	Tue	Р	Prac 7	Qualitative analysis.
7/5	Fri	L	lect29.ppt	Terpenes/Aromatics /Polymers
	Fri	L	lect30.ppt	E.A.S.
	Fri	Т	tutorial8.doc	Radical substition, electrophilic addition
Week	Module	9		
10	10	10 Radical substitution alkanes. Electrophilic addition alkenes, hydration, hydrogenation. Terpene chemistry. Polymers		

Week1	<u>11 </u> Tue	L	lect31.ppt	S _N 2 haloalkanes and ROH	
	Tue	Р	Prac 8	E.A.S	
14/5	Fri	L	lect32.ppt	S _N 1 haloalkanes and ROH	
	Fri	L	lect33.ppt	Aldehydes, Carbohydrates, Nuc. Addn,	
	Fri	Т	tutorial9.doc	EAS and nucleophilic substitution	
Week	Modul	e			
11	11		Electrophilic aromatic haloalkanes.	substition. Nucleophilic substitution $S_N 1$ and $S_N 2$ of	
Week1	<u>12 </u> Tue	L	lect34.ppt	Carboxylic acids, esters, Nuc. Acyl sub	
	Tue	Р	Prac. 9	Carbonyl compounds	
21/5	Fri	Т	tutorial10.doc	nucleophilic addition and acyl substitution	
	Fri	L	lect35.ppt	Review of Weeks 6 - 11	
Week	Modul	e			
12	12		Aldehydes and ketones - nucleophilic addition. Carbohydrate chemistry. Carboxylic acids - nucleophilic acyl substitution.		
Week	<u>13 </u> Tue	L	Test 2		
	Tue	Р	Exam Tutorial		
	Fri	L	extra revision (?)		
28/5	Fri	L	٠٠		
	Fri	Т	"		