

## BIOCHEMSOC - Second year exam panel

Module code (old code)	<b>Things to note</b> <i>Can you selectively study?</i> <i>Extra reading tips?</i> <i>Study methods that were especially effective?</i> <i>Regrets (things you wished you did)?</i>
BIOC0008 (BIOC2004) Biomolecular structure and function	<ul style="list-style-type: none"> <li>- Small degree of selective study possible, but can only afford to skip single topic (e.g. enzyme kinetics) - although you are picking 3 questions from 5 it's safer not to skip more areas</li> <li>- Make sure to revise the 'basics'. Exam requires a lot of detail about key concepts such as secondary structure, TIM barrels, Rossman folds..</li> <li>- Suggestion: create a document with all past paper qs and work with others to create model answers</li> <li>- Extra reading is a bonus, but can be hard to incorporate as questions can be very specific</li> </ul>
BIOC0005 (BIOC2001) Molecular Biology	<ul style="list-style-type: none"> <li>- Section B - selective study advisable - only have to answer 3 questions. Good to be familiar with an extra topic or two in case questions are difficult</li> <li>- Diagrams highly advisable for a lot of topic areas</li> <li>- They provide example section B answers, have a look at these! Last year the same question came up on the exam paper as was supplied as a first class example answer (you can take inspiration from these!)</li> </ul>
BIOC0010 (BIOC2005) Metabolism and its regulation	<ul style="list-style-type: none"> <li>- Selective study is possible, can miss out a couple of topic areas <u>as long as you know content of others well</u></li> <li>- Longer essays - extra reading advisable (don't need to cite) (especially for metal metabolism)</li> <li>- For Dawson's lectures try and create overall summary of pathways - a lot of the pathways are repeated!</li> <li>- Do not skip Dawson! It's almost 50% of the content</li> </ul>
CELL0009 Cell Structure and Function (term 1)	<ul style="list-style-type: none"> <li>- Overlaps a lot with molecular biology (BIOC0005)</li> <li>- Extra reading advisable, but it's still possible to do well without it</li> <li>- Complete all the past papers - questions are repeated</li> <li>- Make sure you know 3 topics in depth for the essay questions, 4 to be safe</li> <li>- Must know all lecture content for last section</li> </ul>
CELL0010 Cell Signalling and Regulation (term 2)	<ul style="list-style-type: none"> <li>- Extra reading recommended</li> <li>- Selective revision is key - no point revising everything, just the parts you find easiest and make sure you revise enough to cover the recurring topics.</li> <li>- Similar questions asked each year from distinct topics - look at past exams, pick the topics you want to revise</li> <li>- Really know your stuff - exam is pretty harshly marked!</li> </ul>
CHEM0023 (CHEM2601) Chemistry of Biologically Important Molecules	<ul style="list-style-type: none"> <li>- Do the past papers as Qs are relatively repetitive</li> <li>- Make sure you can draw out <b>all the mechanisms</b></li> <li>- Exam is 5Qs: one on each topic (peptides, carbs, DNA, imaging) and one mixed topics. Would not recommend skipping a topic, however.</li> <li>- DNA Q is usually very easy: draw out DNA structure is 6 marks</li> <li>- Peptides will ask you to complete a synthesis pathway so make sure you know the reagents etc</li> <li>- There is a lot of overlap between topics e.g. fluorescent dye labelling and peptide modification</li> <li>- Learn all the definitions for molecular imaging as these tend to come up</li> </ul>
CHEM0020(CHEM2301) Physical chemistry for medicinal chemistry and life sciences	<ul style="list-style-type: none"> <li>- Make sure you do ALL the past papers - format and questions are highly repetitive. This is the best way to revise.</li> <li>- Don't focus too much on lecture content, just mainly on what comes up in the papers</li> <li>- Memorise key equations (during exam write out all memorised equations at the</li> </ul>

	start to use as a reference!)
INIM0005 Immunology	<ul style="list-style-type: none"> <li>- No selective revision - need to know whole course, its 100% exam so don't cut corners!</li> <li>- Extra reading is good, but doesn't help a huge amount</li> <li>- Make sure you understand all components of immune system and what everything does - e.g. all complement components, cytokines, interleukins etc</li> <li>- Single best answer section is harder than you think! Make sure you know content really well</li> <li>- Read the coursework article to the greatest detail possible</li> </ul>
PHAR0003 Drugs and the Mind	<ul style="list-style-type: none"> <li>- Can afford to revise fairly selectively, as long as you have a decent coverage of topics which come up in each of the three sections</li> <li>- Do ALL past questions relevant to your topics - tend to be very repetitive (especially section A!)</li> <li>- Extra reading is highly recommended as lecture info can be quite basic in places</li> <li>- Highly recommend the book Neurotransmitters, drugs and brain function - goes into way more detail than needed but great for neurotransmitters etc. Also just wikipedia, given that little pharmacology is covered</li> </ul>

PAST PAPERS: <http://www.ucl.ac.uk/library/digital-collections/collections/exam>