Revision Classes B4.1 Functional Analysis 1

In the past years it has worked well to have a combination of some sessions which will have one main topic and some more general Q & A sessions.

For revision classes with a specific topic the majority of the time will be spent going through past exam questions on this topic or answering any other questions on this topic. I have listed some proposed questions to discuss below, but you are welcome to send in further questions that you would like to see covered by email. Please send such emails no later than 24 hours before the class directly to the corresponding tutor, i.e. to Melanie Rupflin (rupflin@maths.ox.ac.uk) respectively Catalina Pesce (pesce@maths.ox.ac.uk) and specify precisely which part of which question you would like to see discussed or what question on the theory you would like to have answered.

- Thursday W2 11-12, Melanie Rupflin: Normed spaces and linear operators and related past exam questions such as 2016 Q1, 2015 Q1 (ii)-(iv) 2015, 2012 Q 1 (b), 2016 Q3 and sent in questions

- Friday W2 12-13: Catalina Pesce: Density and Stone Weierstrass Theorem and related exam questions as 2017 Q2 (c), 2012 Q2, 2019 Q2 (b) and sent in questions

- Tuesday W3 11-12, Melanie Rupflin: Hahn-Banach and related past exam questions such as 2014 Q2(d), 2015 Q2, 2016 Q2(c) and sent in questions

- Friday W3 12-13: Catalina Pesce: Dual spaces and related exam questions as 2013 Q2 (b), 2014 Q3 (b), 2016 Q2 (d) and sent in questions

- Tuesday W3 11-12, Melanie Rupflin: Spectral Theory and related past exam questions such as 2015 Q3, 2012 Q3

- Friday W4 12-13: Catalina Pesce: Sent in questions on any topic

- Tuesday W5, 11-12: Melanie Rupflin: Sent in questions on any topic

- Friday W5 12-13: Catalina Pesce: 2017 Exam