Dated: 3rd April, 2020

Plan for online learning & evaluation
Course: PMA 207 (Complex Analysis), MSc, SOM.

Period	Learning material	Activities	Status
3-4-2020 to 10-4-2020	https://www.amriksen.com/pmc103-complexanalysis-spring2019	**1)** Website updated, all learning material including assignments for the entire semester is posted, discussion forum is created online, class representative is informed and asked to communicate to the class regarding the plan for online classes as follows: i) students must warm up for online learning mode by referring to the notes and practice problems posted on the course website & devising their respective study plans (eg. tagging relevant video lectures on youtube with course material), ii) register for discussion forum specifically created for online learning and linked with the course website for continuous redressal of conceptual queries/doubts, iii) learning mode will comprise of weekly reading assignments from notes and/or textbook, followed by end of week evaluation problems (these will be time bound tasks, i.e. 12 hr, assigned to each of 6 groups, typically the 6 evaluation problems will come live on the web at 9 am every Saturday and will be due by email by 9 pm of the same day), the evaluation problems will count towards the sessional scores and is a mock trial for conducting online EST if the situation so demands. **2)** A barebones online learning management system is currently under development, it will be integrated in to the course website when ready.	**complete**

13-4-2020 to 18-4-2020	**set 5 (notes)** topics: deformation of contour (pg. 1-2), maximum principle (pg. 1), Cauchy integral formula, Liouville theorem (pg. 3-6) **textbook**: pg. 87-89 **practise problems**: HW 3:- questions:- 1,2,6,7,8,9	— Online video lectures — Reading assignment: work through the material posted under “Learning material” — Evaluation problem: live at 9 am on 18-4-20 due at 9 pm on 18-4-20	**pending**
20-4-2020 to 25-4-2020	**set 6 (notes)** topics: Laurent series (pg. 5-13), proof of Laurent series theorem (pg. 1-4, statement of theorem is important, proof optional), singularities in **C** (pg. 1-6)**,** analytic continuation (pg. 1, 3-6) **practise problems**: HW 4:- questions:- 2,3,4,6	— Online video lectures — Reading assignment: work through the material posted under “Learning material” — Evaluation problem: live at 9 am on 25-4-20 due at 9 pm on 25-4-20	**pending**
27-4-2020 to 2-5-2020	**set 7 (notes)** topics: introduction to residue calculus (pg. 1-10), principal value integrals & their applications (pg. 1-3 upto section 17.3). **practise problems**: HW 5:- questions:- 1,2,3,4,5	— Online video lectures — Reading assignment: work through the material posted under “Learning material” — Evaluation problem: live at 9 am on 2-5-20 due at 9 pm on 2-5-20	**pending**
4-5-2020 to 9-5-2020	**set 7 (notes)** topics: application of residue calculus (pg. 1-4), Roche's theorem & the argument principle (pg. 1-7) **practise problems**: HW 5:- questions:- 1,2,3,4,5	— Online video lectures — Reading assignment: work through the material posted under “Learning material” — Evaluation problem: live at 9 am on 9-5-20 due at 9 pm on 9-5-20	**pending**
	Miscellaneous topics will be covered if time permits and depending on the academic schedule set by the university.		