

SEMESTER: EVEN, 2019-20

PAPER CODE: MPT2083 (PRINCIPLES OF DRUG DISCOVERY)

D AT E	TOPI C	YOUTUBE/ GOOGLE DRIVE LINK LINK	GOOGLE CLASSROOM LINK	STUDY MATERIAL LINK
22 .0 4. 20 20	DRU G DESI GN, QSA R MET HOD DEV ELO PME NT AND VALI DATI ON, VIRT UAL SCR EENI NG AND COM PUT ATIO NAL CHE MIST RY (POS TED ON GOO GLE CLAS SRO OM)	<u>CADD AND QSAR DESCRIPTORS</u> https://drive.google.com/file/d/1BDUqkqyb1yqYVLWJAeCwRhhtPyA30Vsq/view?usp=sharing <u>BASIC QSAR MODELLING PART-I</u> https://drive.google.com/file/d/1J9i3M9vpEkKXmqbUp5wiKMQedsJly5lS/view?usp=sharing <u>BASIC QSAR MODELLING PART-II</u> https://drive.google.com/file/d/1EhDODqZywd4BioDviueOHDQPOT60KTBgw/view?usp=sharing <u>QSAR METHOD VALIDATION PART-I</u> https://drive.google.com/file/d/1L-I8dq4Mfl3vkdaqvp8oWUqnV6tYeamc/view?usp=sharing <u>FREE WILSON ANALYSIS</u> https://drive.google.com/file/d/1vHRcydTJXqarvQ8ulQ9MWrt1I9s4DsPn/view?usp=sharing	https://classroom.google.com/c/NTU3MzExMDcwMDRa/m/ODkyMzM5MzMxMDRa/details	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/ODkyNTIzNDQyNzla

**CRAIG PLOT AND
HANSCH ANALYSIS AND
TOPLISS
SUSBSTITUTIONAL
SCHEME**

https://drive.google.com/file/d/1qE99ranDpcNNDGIgwoFAWQcIoyuqU_bQ/view?usp=sharing

**VIRTUAL SCREENING,
PART-I**

<https://drive.google.com/file/d/1Sp0-dkKIs-fCvsImq-Qs0A57k4itKzcJ/view?usp=sharing>

**PHARMACOPHORE AND
MACHINE LEARNING**

<https://drive.google.com/file/d/1k78DTh1yAg4aos8LYHEjzMrNHwp0gE79/view?usp=sharing>

**MACHINE LEARNING
APPROACH PART-II**

<https://drive.google.com/file/d/1CvRbWupqN0uS1d0NzEBivTDHhgquwUjg/view?usp=sharing>

**VIRTUAL SCREENING
PART-II AND
COMBINATORIAL
SCREENING PART-I**

https://drive.google.com/file/d/1P2_L0SkGoUeS6miIOX708PsBtP9FE7QL/view?usp=sharing

**COMBINATORIAL
CHEMISTRY PART-II,
SOLID PHASE PEPTIDE
SYNTHESIS**

<https://drive.google.co>

[m/file/d/1wjcw7vvA8R2UnRRpVhZQ56Xt5A7KLdNO/view?usp=sharing](https://drive.google.com/file/d/1wjcw7vvA8R2UnRRpVhZQ56Xt5A7KLdNO/view?usp=sharing)

COMBINATORIAL SYNTHESIS PART-III, MULTIPIN GUIDED, MEMBRANE DIRECTED, TEAG BAG AND LIGHT DIRECTED SYNTHESIS

<https://drive.google.com/file/d/1nM8F3GWeu82t-yf3n5yBdUmsKuAsF2tD/view?usp=sharing>

COMBINATORIAL CHEMISTRY PART-IV, BIOLOGICAL VARIATIONS

https://drive.google.com/file/d/1gmpbjP60_dgv6gq5nQoNAwlp9XF3zTWU/view?usp=sharing

COMPUTATIONAL PREDICTION OF PROTEIN STRUCTURE PART-I

<https://drive.google.com/file/d/1IW1Fqgx0j1ykroWA26QwmBDeZ4edzN-A/view?usp=sharing>

COMPUTATIONAL PREDICTION OF PROTEIN STRUCTURE PART-II, FINDING TEMPLATE SEQUENCES

<https://drive.google.com/file/d/1Axig2BOW4ljkY6RAMzT1dkZKkA7fdpaM/view?usp=sharing>

COMPUTATIONAL PREDICTION OF PROTEIN STRUCTURE PART-III,

		<u>RAMACHANDRAN PLOT</u> https://drive.google.com/file/d/1MmNRhMOMTB2Edg5JqNajLat6gmU59lb2/view?usp=sharing		
23 .0 4. 20 20	HOM OLO GY MOD ELLI NG	https://www.youtube.com/watch?v=dC2Aa85nr24	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/ODk1ODYzNTEzNzJa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/ODk1NzgxMzgyMTJa
28 .0 4. 20 20	PRO DRU G DESI GN PAR T-I	https://drive.google.com/file/d/144XrjN-kv1x8nGuOqQ_-K6Txpe9u7aw/view?usp=sharing	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTM5MTM4Mzg5NjVa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTM5MTM4MzcxNzNa
28 .0 4. 20 20	PRO DRU G DESI GN PAR T-II AND PAR T-III	https://drive.google.com/file/d/102DqJiCuHU706p2ADzvwHBPqtlbKZYuk/view?usp=sharing https://drive.google.com/file/d/1FSl8nW_s_yZsYue3UXMsJ7n9izWq_cHg/view?usp=sharing	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTQyMDA4NDk5MzNa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTQyMDA4NTAwMDda
29 .0 4. 20 20	MAC ROM OLE CUL AR PRO DRU G DESI GN	https://drive.google.com/file/d/1XVE9Ki-TB7Y2AocSjfv_YXdMyjatqjua/view?usp=sharing	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTQ2MjgzMTI0MzVa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTQ2Mzc4Njl2MjNa
05 .0 5. 20 20	CHE MIC AL ASP ECTS OF PRO	https://www.youtube.com/watch?v=niJK-KVtWYo	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTY0NzU0MDA5ODda	https://classroom.google.com/c/NTU3MzExMDcwMDRa/m/OTY0NDc0NTQzODRa/details

	DRUG DESIGN			
06.05.2020	PROTEIN STRUCTURES	https://drive.google.com/file/d/13gFbfPitVLp55f7L27e-vE7aXn1OGutr/view?usp=sharing	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTY5MDQ4MjlxNTNa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTY5MDQ4MjlyMDIa
07.05.2020	PROTEIN STRUCTURESBY 3d-nmr AND DEUTERIUM EXCHANGE TECHNIQUE	https://www.youtube.com/watch?v=TxsVELW27wc	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTczNzcxNTE2OTNa	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/OTczNzk0Mzc5MTRa
14.05.2020	DRUG DISCOVERY PRACTICAL-STRUCTURE DRAWING	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/MTAyMzM1NzUxMjI3		
15.05.2020	DRUG DISCOVERY PRACTICAL	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/MTAyNzIwODE2NzEx		

	AL- ASSI GNM ENT ON MOL ECU LAR PRO PER TIES			
20 .0 5. 20 20	DRU G DISC OVE RY PRA CTIC AL- BIOI NFO RMA TICS	https://classroom.google.com/w/NTU3MzExMDcwMDRa/tc/MTA0MzI0OTM1OTA1		