

GOVERNMENT MEDICAL COLLEGE, CHANDIGARH
DEPARTMENT OF COMMUNITY MEDICINE
Through Proper Channel

To

The Director Principal
Govt. Medical College & Hospital
Sector-32, Chandigarh

No. GMC-CM/PG-18/1100

Dated: - 1/10/18

Subject: Commencement of PG Course: Biostatistics, Research Methodology and Medical Ethics for Final Year PG Students

Respected Sir,

With your prior approval, the above mentioned course (only of 10 lectures this year with revised guidelines) for all second year PG Students will be started from October 08-12, 2018 (details attached) in collaboration with all resource faculty members in accordance with Guidelines issued by you vide Endst No GMCH-TA-III-(105-2018)-2018/40319 Dated 19.09.2018 as per following **Course Schedule:** :

Course Duration: 12.10.2017 to 13.11.2017

Timings: 2 p.m.- 3 p.m.

Course Duration: 5 days (Monday to Friday)

Resource Faculty: Faculty members from different departments.

Venue: Seminar Hall, Level-IV, B-Block

Thanking you, Best regards,

Yours faithfully,


Dr. Dinesh Kumar Walia

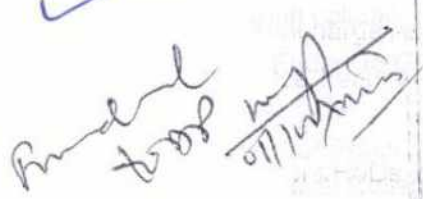
Associate Professor/Course Co-Coordinator

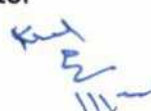
Copy to:-

1. Professor Incharge Academics for kind intimation.
2. All Resource Faculty Members: Professor GP Thami, Professor NK Goel, Dr Deepak Chawla, Dr Dinesh Walia,
3. All Professors/HoDs of PG Departments with a request to kindly allow and spare PG-IIInd year students of their respective Departments to attend this course.
4. Professor SS Lehl Member IEC and Dr Rohit Jindal Coordinator IEC with special request for moderating one session on Ethics.
5. Additional Medical Supdt with a request to allow Seminar Hall along with Audio Visual facility as approved by Medical Supdt.
6. Assistant Registrar (Academic), GMCH, Chandigarh to please send the list of all second year PG students.
7. System Administrator GMCH with a request to circulate E-Copy of the details as Circular.


Dr. Dinesh Kumar Walia

Associate Professor/Course Co-Coordinator





Schedule of PG Course : Biostatistics, Research Methodology and Medical Ethics**(08.10.2018 to 12.10.2018) Timings: 03:30 pm to 5:00 pm****Venue: Conference Hall, Level-IV, B- Block**

S.No	Date	Timings	Topic of Lecture with contents	Resource Faculty
1.	08.10.2018	03: 30pm - 04:15pm	Research Process: (Concept of Research, Different approaches of Research, Qualitative and Quantitative Research, Formulation of Research Problem, Research Questions, Deriving Aims and Objectives in PICO Format, Planning and Designing of Research, etc.)	Dr. Dinesh Walia
2.	08.10.2018	04:15pm - 05:00 pm	Research Design : (Introduction to Descriptive, Analytical and Experimental Research Designs)	Prof. N.K Goel
3.	09.10.2018	03: 30pm - 04:15pm	Risk Assessment in Medical Studies: (Relative Risks & Odd Ratios, Attributable Risk , Sources of Bias in Health Studies, Confounding Factors, Analysis of Descriptive and Analytical Study Designs)	Dr. Dinesh Walia
4.	09.10.2018	04:15pm - 05:00 pm	Clinical Trials : (Methods of Randomization, Blinding techniques, Allocation Concealment, Intention to Treat Analysis, Per Protocol Analysis).	Dr. Deepak Chawla
5.	10.10.2018	03: 30pm - 04:15pm	Survey Methodology : (Simple Random Sampling, Stratified , Cluster, Systematic, Multi-stage, Multi-Phase and WHO - 30 Cluster Sampling Techniques)	Dr. Dinesh Walia
6.	10.10.2018	04:15pm - 05:00 pm	Optimality of Sample Size: (Optimality of Sample Size in different types of Observational , Analytical Studies and in Clinical Trials)	Dr. Dinesh Walia
7.	11.10.2018	03: 30pm - 04:15pm	Testing of Hypothesis in Medical Research: Type-I and Type II Errors in Hypothesis Testing, Power of the Test, Tests of Significance, P-values, Confidence Interval etc.	Dr. Dinesh Walia

	11.10.2018	04:15pm - 05:00 pm	Introduction to Elementary Tests of Significance: (Normal Test, Chi square Test, Student's t-test, Analysis of Variance :ANOVA , Elementary Non Parametric Tests)	Dr. Dinesh Walia
9.	12.10.2018	03: 30pm - 04:15pm	Screening: (Diagnostic Values-Sensitivity, Specificity, Predictive Values, Diagnostic Accuracy, Clinical Decision Making regarding Multi-phase and Multi-stage Screening, Serial Vs Parallel Testing, ROC Curve Analysis).	Dr. Dinesh Walia
10.	12.10.2018	04:15pm - 05:00 pm	Scientific Writing: (Research paper and Presenting a journal club article, Research paper writing and critical evaluation of research, common errors in research article writing).	Prof. Thami
From Theory to Practice (Optional): (Special Session on Discussions with all Resource Faculty Members on Ethical Issues and Problems faced in Methodological Aspects of Thesis Work): Moderators: Professor S. Lehl , Dr Rohit Jindal ,Co-ordinator IEC)				
Qualifying Exam- To be notified				