

KERALA UNIVERSITY OF HEALTH SCIENCES

(Abstract)

KUHS –Academic –Decision No.18.12 of Academic Council- Implemented - orders issued

ACADEMIC II Section

No: 7754/ACII/KUHS/PHARM/2017

Thrissur, Dated, 25.06.2018

- Read: 1. Minutes of the meeting of Board of Studies UG Pharmaceutical Sciences held on 5.12.2017 & 8.02.2018
2. Minutes of the meeting of Board of Studies, PG & Faculty of Pharmaceutical Sciences held on 5.12.2017 & 22.02.2018
3. Decision No.18.12 of the 18th meeting of Academic Council held on 01.03.2018
5. Decision No.44.31 of the 44th meeting of Governing Council held on 09.03.2018

ORDER

As per paper read (2) above the meeting of Board of Studies PG Pharmaceutical Sciences held on 22.02.2018 has modified the syllabus of M.Pharm course as follows:-

1) Modified Syllabus of research methodology and biostatistics in 3rd semester

MRM 301T – Research Methodology and Biostatistics

UNIT I – General Research Methodology: Research, Objective, Requirements, Practical Difficulties, Types of Research, Scientific Methods of Research, Types of studies, Study Design.

Review of literature – Sources of information. Searching of library documents & data bases online and offline (Pub Med, Biological abstracts, other data bases in pharmaceutical sciences). Introduction to internet searching using advanced search tools

UNIT II – Collection and analysis of data: Types of data and data collection techniques. Processing of data, coding, tabulation and analysis of data.

Biostatistics : Definition, application, sample size, importance of sample size, factors influencing sample size, dropouts, statistical tests of significance, type of significance tests, parametric tests (students "t" test, ANOVA, correlation coefficient, regression), non-parametric tests (wilcoxon rank tests, analysis of variance, correlation, chi square test), null hypothesis, P values, degree of freedom, interpretation of P values, different soft wares for statistical analysis.

UNIT III – Medical Research: History, values in medical ethics, strategies to eliminate errors/bias, controls, randomization, crossover design, placebo, blinding techniques autonomy, beneficence, non maleficence, double effect, conflicts between autonomy and beneficence/non – maleficence, euthanasia, informed consent, confidentiality, criticisms of orthodox medical ethics, importance of communication, control resolution, guidelines, ethics committees, cultural concerns, truth telling, online business practices, conflicts of interest, vendor relationships, treatment of family members.

UNIT IV – CPCSEA guidelines for laboratory animal facility: Goals, location of animal facilities to laboratories, anaesthesia, euthanasia, physical facilities, environment, animal husbandry, record keeping, SOPs, personnel & training, transport of lab animals,

UNIT V – Technical writing, thesis/research report writing, Structure of thesis, Editing and formatting, Reference citations, Abstracting, Plagiarism and para phrasing, Tools for writing good research report

UNIT VI – Research reporting – poster presentation, seminar and conference presentation, publishing in journals, Copy right

The minutes of Board of Studies UG/PG Pharmaceutical Science was approved by Faculty of Pharmaceutical Sciences held on 5.12.2017 & 22.02.2018. The 18th meeting of Academic Council held on 01.03.2018 approved the minutes of Board of Studies UG/ PG and Faculty of Pharmaceutical Science vide order read (3) above and the 44th meeting of Governing Council held on 09.03.2018 approved the minutes of Academic Council. The decision of Governing Council in approving the minutes of AC is implemented vide order read (4) above. Sanction has therefore been accorded by the Hon'ble VC to implement the decision no. 18.21 of the Academic Council in approving the minutes of BoS UG/PG and Faculty of Pharmaceutical Sciences and the modified scheme and syllabus of M.Pharm course.

Orders are issued accordingly.

REGISTRAR

Copy to

1. PS TO VC/PA TO PVC/PA TO REGISTRAR/CE/FO
2. Examination III/IT section

Forwarded/By order



Section Officer