Curriculum for PhD course work for six months in Kayachikitsa:

Part A – Research methodology

1. Selection of the research problem and framing of proper research question
2. Data search using PubMed Central, Advance, MeSH and other search engines
3. Clinical research – Identifying the priority areas of research in Kayachikitsa, Interventional studies, Longitudinal, Prospective and retrospective studies, Cohort studies, Case reports, Case series, Case control studies, Randomised controlled clinical trials (RCT) and their types – Parallel, crossover, factorial, pragmatic, explanatory. Adaptive clinical trials, superiority, equivalence, Non-inferiority trial. Phases of clinical research, survey studies. Black box design.
4. Good Clinical Practices (GCP) guidelines
5. Ethnography
6. Randomisation and blinding its techniques- Block randomisation and stratified randomisation techniques
7. Data management techniques – Electronic Health Record (EHR), Electronic Data Capture system (EDC) etc.
8. Ethical aspects related to studies involving human subjects
9. Preparation of research proposals for submission to funding agencies taking EMR-AYUSH scheme as a model. Research protocols preparation as per SPIRIT guidelines.
10. Familiarization with publication guidelines- Journal specific and CONSORT guidelines.
11. Thesis/Dissertation: contents and structure
12. Research articles structuring: Introduction, Methods, Results and Discussions (IMRAD)
13. Pharmacovigilance.
14. Intellectual property rights. Knowledge about TKDL.
15. Knowledge of recent assessment criteria of different disorders for study in national and international level
16. Knowledge of instruments –, Neuropathy analyser, Computer Assisted Semen Analysis (CASA), Spirometer, Skin analyser, stress echo etc.
17. Updated national and international scales for assessment of different common clinical conditions including Assessemnt of Oja, Prakriti, Bala, Ama, Agni etc.

Part B – Biostatistics

18. Methods of presentation of data
19. Sample size calculation
20. Parametric and non-parametric selection of tests of significance including normality test
21. Questionnaire/proforma validation methodology
22. Statistical software regarding data collection and analysis – SPSS, Graph Pad prism etc.