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| **Research Methodology MEDI4202 Spring 2023** |
| **Day** | **Date** | **Time** | **Title** | **Instructor** |
|  |  |  | **WEEK (1)** |  |
| **Tuesday** | 31/01/2022 | **8:00** | **Lecture 1:  Key aspects and values of research** | **Hamza Babiker** |
| Tuesday | 31/01/2023 | 14:15 | Tutorial  1:  The structure of the module (section 11) | Hamza Babiker |
| Wed | 01/02/2023 | 10:00 | Tutorial  1:  The structure of the module (section 12) | Hamza Babiker |
| Thursday  | 02/02/2023 | 8:00 | Tutorial  1:  The structure of the module (section 13) | Hamza Babiker |
|   |  |   | **WEEK (2)** |  |
| **Tuesday** | 07/02/2023 | **8:00** | **Lecture 2: Components of the research process** | Hamza Babiker |
| Tuesday | 07/02/2023 | 14:15 | Tutorial 2: How to select and search a research topic (section 11) | Hamza Babiker |
| Wed | 08/02/2023 | 10:00 | Tutorial 2: How to select and search a research topic (section 12) | Hamza Babiker |
| Thursday  | 09/02/2023 | 8:00 | Tutorial 2: How to select and search a research topic (section 13) | Hamza Babiker |
|   |   |   | **WEEK (3)** |   |
| **Tuesday** | 14/02/2023 | **8:00** | **Lecture 3. Components of a research proposal** | Hamza Babiker  |
| Tuesday | 14/02/2023 | 14:15 | Tutorial 3: Structure of a research proposal (section 11) | Hamza Babiker  |
| Wed | 15/02/2023 | 10:00 | Tutorial 3: Structure of a research proposal (section 12) | Hamza Babiker  |
| Thursday  | 16/02/2023 | 8:00 | Tutorial 3: Structure of a research proposal (section 13) | Hamza Babiker  |
|   |  |  | **WEEK (4)** |  |
| **Tuesday** | 21/02/2023 | **8:00** | **Lecture 4: Use of animal in biomedical research** | Hamza Babiker |
| Tuesday | 21/02/2023 | 14:15 | Tutorial  4: How to read a scientific paper (section 11) | Hamza Babiker |
| Wed | 22/02/2023 | 10:00 | Tutorial  4: How to read a scientific paper (section 12) | Hamza Babiker |
| Thursday  | 23/02/2023 | 8:00 | Tutorial  4: How to read a scientific paper (section 13) | Hamza Babiker |
|   |  |  | **WEEK (5)** |  |
| **Tuesday** | 28/02/2023 | **8:00** | **Lecture  5: Different stages of drug development** | Hamza Babiker |
| Tuesday | 28/03/2023 | 14:15 | Tutorial 5: Literature search engines (section 11) | Ken Masters |
| Wed | 1/03/2023 | 10:00 | Tutorial 5: Literature search engines (section 12) | Ken Masters |
| Thursday  | 02/03/2023 | 8:00 | Tutorial 5: Literature search engines (section 13) | Ken Masters |
|  |  |  | **WEEK (6)** |  |
| **Tuesday** | 07/03/2023 | **8:00** | **Lecture 6: Cross sectional Study** | Hana Sumri |
| Tuesday | 07/03/2023 | 14:15 | Tutorial 6: Tests of significance (Numerical data) (section 11) | Syed Rizvi |
| Wed | 08/03/2023 | 10:00 | Tutorial 6: Tests of significance (Numerical data) (section 12) | Syed Rizvi |
| Thursday  | 09/03/2023 | 8:00 | Tutorial 6: Tests of significance (Numerical data) (section 13) | Syed Rizvi |
|  |  |  | **WEEK(7)** |  |
| **Tuesday** | 14/03/2023 | **8:00** | **Lecture 7: Case-control study** | Hana Sumri |
| Tuesday | 14/03/2023 | 14:15 | Tutorial 7: Tests of significance (Non-parametric test) (section 11) | Syed Rizvi |
| Wed | 15/03/2023 | 10:00 | Tutorial 7: Tests of significance (Non-parametric test) (section 12) | Syed Rizvi |
| Thursday  | 16/03/2023 | 8:00 | Tutorial 7: Tests of significance (Non-parametric test) (section 13) | Syed Rizvi |
|   |  |  | **WEEK (8)** |  |
| **Tuesday** | 21/03/2023 | **8:00** | **Lecture 8: Cohort Study** | Hana Sumri |
| Tuesday | 21/02/2023 | 14:15 | Tutorial 8: An introduction to different types of study design (section 11) | Hana Sumri |
| Wed | 22/03/2023 | 10:00 | Tutorial 8: An introduction to different types of study design (section 12) | Hana Sumri |
| Thursday  | 23/03/2023 | 8:00 | Tutorial 8: An introduction to different types of study design (section 13) | Hana Sumri |
|   |  |  | **WEEK (9)** |  |
| **Tuesday** | 28/03/2023 | **8:00** | **Experimental study** | **Hana Sumri** |
| Tuesday | 28/03/2023 | 14:15 | Tutorial 13: Tests of significance (Categorical data) (section 11) | Syed Rizvi |
| Wed | 29/03/2023 | 10:00 | Tutorial 13: Tests of significance (Categorical data) (section 12) | Syed Rizvi |
| Thursday  | 30/03/2023 | 8:00 | Tutorial 13: Tests of significance (Categorical data) (section 13) | Syed Rizvi |
|  |  |  | **WEEK (10)** |  |
| **Tuesday** | 04/04/2023 | **8:00** | **Lecture 10:  Correlation and Regression** | Syed Rizvi |
| Tuesday | 04/04/2023 | 14:15 | Tutorial 10: Correlation and regression-1 (section 11) | Syed Rizvi |
| Wed | 05/04/2023 | 10:00 | Tutorial 10: Correlation and regression-1 (section 12) | Syed Rizvi |
| Thursday  | 06/04/2023 | 8:00 | Tutorial 10: Correlation and regression-1 (section 13) | Syed Rizvi |
|  |  |  | **WEEK (11)** |  |
| **Tuesday** | 11/04/2023 | **8:00** | **Lecture 11: Questionnaire based research: quality & approach**  | Hana Sumri |
| Tuesday | 11/04/2023 | 14:15 | Tutorial 11: Correlation and regression-2 (section 11) | Syed Rizvi |
| Wed | 12/04/2023 | 10:00 | Tutorial 11: Correlation and regression-2 (section 12) | Syed Rizvi |
| Thursday  | 13/04/2023 | 8:00 | Tutorial 11: Correlation and regression-2 (section 13) | Syed Rizvi |
|   |  |  | **WEEK (12)** |   |
| **Sunday** | **16/04/2023** | **10:00 AM** | **SPSS in-course assessment** |  |
| **Tuesday** | 18/04/2023 | **8:00** | **Lecture 12:  Evaluation of screening/ diagnostic tests** | Hana Sumri |
| Tuesday | 18/04/2023 | 14:15 | Tutorial 12: Designing questionnaire interview (section 11) | Hana Sumri |
| Wed | 19/04/2023 | 10:00 | Tutorial 12: Designing questionnaire interview (section 12) | Hana Sumri |
| Thursday  | 20/04/2023 | 8:00 | Tutorial 12: Designing questionnaire interview (section 13) | Hana Sumri |
|   |  |  | **WEEK (13)**  |  |
| **Tuesday** | 25/04/2023 | **8:00** | **Lecture 13: Ethics of medical research** | Hamza Babiker |
| Tuesday | 25/04/2023 | 14:15 | Tutorial 9: Preventing & detecting plagiarism (section 11) | Ken Masters |
| Wed | 26/04/2023 | 10:00 | Tutorial 9: Preventing & detecting plagiarism (section 12) | Ken Masters |
| Thursday  | 27/04/2023 | 8:00 | Tutorial 9: Preventing & detecting plagiarism (section 13) | Ken Masters |
|  |  |  | **WEEK (14)** |   |
| **Tuesday** | 02/05/23 | **8:00** | **Lecture 14:  Evidence based Medicine** | Hana Sumri |
| Tuesday | 02/05/23 | 14:15 | Tutorial 14: Evidence based Medicine (section 11) | Hana Sumri  |
| Wed | 03/05/23 | 10:00 | Tutorial 14: Evidence based Medicine (section 12) | Hana Sumri  |
| Thursday  | 04/05/23 | 8:00 | Tutorial 14: Evidence based Medicine (section 13) | Hana Sumri  |
| Thursday | 04/05/23 |  | **Submit a research proposal** |  |