Evidence-Based Biomedical Research Methods and Statistics

**Summative Assessment: The Research Proposal**

2021-2022

**Course Code: MED5538**

**20 credits (M level; SCQF 11)**

**Instructions for completing this assignment**

1. The word limit for this assignment is **not more than 4000 words** inclusive of; Title, Abstract, Lay Summary and Case for Support. The word count does not include your References.
2. Please enter your student number (matriculation number) and **NOT** your name at the beginning of the form.
3. Please use font Arial size 11, single line spacing. Appropriate breaks and spacing between paragraphs/sections should be used.
4. Please use an appropriate style of referencing.
5. Please do not adjust page margins.

**Instructions for submission**

**DEADLINE – 15 August 2022, 2pm**

Submit your research proposal through **Moodle** using **Turnitin**. Detailed instructions on how to submit will be emailed out to every student and posted on Moodle.

GOOD LUCK!

**Student number: GUID\_** **Programme code**

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| --- |
| **Project title** (not more than 25 words):  **Estimated duration of Project** *(months)*: |

|  |
| --- |
| **Abstract** *(not more than 150 words****)*:**  **Background:**  **Aims:**  **Methods:**  **Outcomes:**  **Expected Impact:** |

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| --- |
| **Lay summary** (*not more than 100 words*) |

**Case for Support**

1. Title
2. Introduction *(citing key references, 1000 – 1500 words)*
   1. General opening paragraph, why is the research topic / question important, what does the previous evidence demonstrate (critical analysis), where are the gaps /inconsistencies in the evidence and why do they exist?, what new research might help solve this situation?
3. Hypothesis
   1. Null Hypothesis and Alternative Hypothesis
4. Research Plan, methods, statistical power (*1000 – 1500 words*)
   1. Type of study design, participants (characteristics or inclusion/exclusion), research plan (what will happen to the participants), primary outcome measure, secondary outcome measures, methods (how will you measure the outcomes stated), SAMPLE SIZE
5. Milestones
   1. Three-four key achievements within a timeframe that keeps the project moving forward to being completed in the estimated timescale.
6. Ethical considerations (*<500 words*)
   1. Who are the participants and what are the ethical considerations?
7. Dissemination plan (*< 500 words*)
   1. How will you communicate the results of the research and to whom (and why should they be interested)?
8. References