**FACULTY OF NATURAL AND AGRICULTURAL SCIENCES/FAKULTEIT NATUUR- EN LANDBOUWETENSKAPPE**

**Research Proposal for M or D study/ Navorsingsvoorstel vir M- of D-studie**

|  |  |
| --- | --- |
| *If a new title is registered or if a title is changed substantially, a research proposal must accompany the submission. The student and the supervisor/promoter must consult the Manual for Master’s and Doctoral Studies, as well as the Faculty policy regarding the Management of M and PhD students, prior to writing the research proposal. The Manual for Master’s and Doctoral Studies explains in detail what is expected at each of the subheadings below. The proposal for a PhD should not be longer than 7 pages and for a MSc not more than 4 pages.* *The Faculty requires that the research proposal will be submitted through the use of this form and in the format below. Please complete using a computer.* | *As 'n nuwe titel geregistreer word of as 'n titel wesenlik gewysig word, moet 'n navorsingsvoorstel die voorlegging daarvan vergesel. Die student en die studieleier/promotor moet die Handleiding vir Meester- en Doktorale Studie saam met die Fakulteit se beleidstuk, Bestuur van M- en PhD-studente, raadpleeg voordat die navorsingsvoorstel geskryf word. Die Handleiding vir Meester- en Doktorale Studie verduidelik in besonderhede wat by elk van die onderstaande subopskrifte verwag word. Die navorsingsvoorstel vir ’n Ph.D.-studie behoort nie langer as 7 bladsye te wees nie. In die geval van ŉ M.Sc. word ’n beperking van 4 bladsye gestel.**Die Fakulteit vereis dat die navorsingsvoorstel deur die gebruik van hierdie vorm en in onderstaande formaat ingedien sal word. Voltooi asseblief rekenaarmatig.* |
|  |  |

1. **Student initials, surname and student number/ Student se voorletters, van en studentenommer**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Initials/Voorletters |  | Surname/Van |  | Student number / Studentenommer |  |

1. **Degree for which student is registered/** **Graad waarvoor student ingeskryf is**

|  |  |  |  |
| --- | --- | --- | --- |
|  M |  |  PhD |  |

1. **Name of supervisors or promoters/Name van studieleiers of promotors**

|  |  |
| --- | --- |
| Initials and surnames /Voorletters en vanne |  |

1. **Proposed title****/ Voorgestelde titel**

|  |  |
| --- | --- |
|  Title (preferably not more than 12 words) / Titel (verkieslik nie meer as 12 woorde nie) |  |

1. **Problem statement and substantiation/** **Probleemstelling en motivering**

|  |  |
| --- | --- |
| *Provide the theme and link with gaps in the literature and recent research in the area. Indicate the research question, its actuality and how the research will endeavour to answer the question. Avoid the inserting of definitions.* | *Gee die tema en verbind dit met leemtes in die literatuur en onlangse navorsing daaroor. Dui die navorsingsvraag aan, waarom dit aktueel is en hoe die navorsing sal poog om die vraag te beantwoord. Vermy die gee van definisies.* |

|  |
| --- |
|  |

1. **Research aims and objectives/** **Navorsingsdoelstellings en –doelwitte**

|  |  |
| --- | --- |
| *Provide the different general as well as the specific aspects which will form part of the research.* | *Gee die verskillende algemene en ook die spesifieke aspekte wat in die navorsing aan die orde sal kom.* |

|  |
| --- |
|  |

1. **Basic hypothesis (where applicable)/** **Basiese hipotese (waar van toepassing)**

|  |
| --- |
|  |

1. **Method of investigation/** **Metode van ondersoek**
	1. **Literature study**

|  |  |
| --- | --- |
| *Indicate which literature will be used in the study and how. Provide a summary of the literature as required for ethics approval. However, in cases of “no risk” a summary of the literature is not required, but only a short list of key publications.* | *Dui aan hoe en watter literatuur in die studie gebruik gaan word. Gee ŉ literatuuropsomming soos benodig vir etiekgoedkeuring. In gevalle van die etiekkategorie “geen risiko”, word ’n opsomming van die literatuur egter nie verwag nie, maar slegs ŉ kort lys van sleutelpublikasies .* |

|  |
| --- |
|  |

* 1. **Methods of investigation /** **Ondersoekmetodes**

|  |  |
| --- | --- |
| *Die proposed design, data acquisition, procedures, data processing, funding sources (but not a budget), mathematical methods, computer methods, etc.* | *Die beoogde ontwerp, dataverkryging, apparatuur, prosedures, dataverwerking, bronne van befondsing (maar nie ’n begroting nie), wiskundige metodes, rekenaarmetodes, ens.* |

|  |
| --- |
|  |

1. **Provisional chapter division/** **Voorlopige hoofstukindeling**

|  |  |
| --- | --- |
| *Here it should be clear that there was proper reflection on the appearance of the final product (dissertation, mini dissertation, thesis). Provide provisional titles of the various chapters, with a brief outline of the planned content of each.* | *Hier moet blyk dat daar behoorlike nadenke was oor hoe die uiteindelike produk (verhandeling/skripsie/proefskrif) daar sal uitsien. Gee voorlopige titels van die verskillende hoofstukke, met ’n kort uiteensetting van die beplande inhoud daarvan.* |

|  |
| --- |
|  |

1. **Literature references/** **Literatuurverwysings**

|  |  |
| --- | --- |
| *Provide complete references to the literature referenced to in this proposal only.* | *Gee volledige verwysings slegs na die literatuur waarna in hierdie voorlegging verwys is.* |

|  |
| --- |
|  |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Further requirements** (completed by supervisors/promotors)/ **Verdere vereistes** (voltooi deur studieleiers/promotors)

* **Research ethics / Navorsingsetiek**

|  |  |
| --- | --- |
| *Each research proposal must be accompanied by:*1. *A completed form of the scientific committee involved. The recommendation in the form is marked in the applicable block below.*
2. *The signed code of conduct for researchers.*
 | *Elke navorsingsvoorstel moet vergesel word van:* 1. *ŉ voltooide vorm van die betrokke wetenskaplike komitee. Die aanbeveling in die vorm is in die toepaslike blokkie hieronder gemerk.*
2. *Die ondertekende gedragskode vir navorsers.*
 |

|  |  |
| --- | --- |
| No Risk (NR) / Geen Risiko (GR) |  |
| Refer to Natural Sciences Research Ethics Committee / Verwys na die Natuurwetenskappe Navorsingsetiekkomitee (NS-REC)  |  |
| Refer to the Committee for Animal Care / Verwys na die Komitee vir Dieresorg (VA) |  |
| Refer to Committee for Health Care / Verwys na die Komitee vir Gesondheidsnavorsing (HREC) |  |

* **Statistical Advice** (Mark the applicable block) / **Statistiese Advies** (Merk die toepaslike blokkie)

|  |  |  |
| --- | --- | --- |
|  | Yes Ja | No Nee |
| Statistical advice must be obtained from the Statistical Consulting Service / Statistiese advies moet van die Statistiese Konsultasiediens verkry word   |  |  |

|  |  |  |
| --- | --- | --- |
| ……………………………………………………………………....Supervisors or promoters / Studieleiers of promotors | ………………………………………………………Research Director / Navorsingsdirekteur | …………………………..Datum / Date |