HIGHER DEGREE PROGRAMMES JANUARY 2020 SEMESTER

Last Update: 6-Dec-2019

Timetable is subject to changes. Students are required to check the timetable again one week before the commencement of lessons.

Online Course Registration:
30 Dec 2019 (9am) to 2 Jan 2020 (5pm)

Add/Drop Period:
13 Jan 2020 (9am) to 27 Jan 2020 (5pm)

**Please refer to the "Course Synopses" tab for the course descriptions.*

Course Code	Course Title*	AU	Lesson Group	Class Size	Start Date	Class Schedule	Venue	Course Coordinator Details	Online Course Registration Period Course is Offered To	Add/Drop Period Course is Offered To	Remarks
SA830	Writing and Communication Skills for PhD Students	3	Tutorial Group 1	25	14-Jan-20	Tuesday, 18:00 - 21:00	NIE2-01-TR211	Dr ANITHA DEVI PILLAI, anitha.pillai@nie.edu.sg	PhD Students.	PhD Students.	- Compulsory for AY2019 intakes and beyond; - Optional for earlier intakes; - Pass/Fail - For more information, please refer to Student Handbook for Research Students
SC802	Experimental Design and Biostatistics for Non-Mathematics Graduate Students	3	Tutorial Group 1	2	TBC	TBC	TBC	A/P LIM SIEW-LEE, SHIRLEY, shirley.lim@nie.edu.sg	NSSE Research students (Jan 2020 intake)	NSSE Research students (Jan 2020 intake)	Lessons will be during weekday afternoons
SR824	Caregiving, Attachment, and Socioemotional/Cognitive Development	3	Tutorial Group 1	10	15-Jan-20	Wednesday, 15:00 - 18:00	TBC	Dr RIFKIN Anne, anne.rifkin@nie.edu.sg	All Research Students	All Research Students	The 22 Jan class may be rescheduled depending on students' availability

Last updated on 4 Dec 2019

Course Code	Course Title	Description	Academic Unit
SA830	Writing and Communication Skills for PhD Students	This course aims to imrpove the academic writing and oral communication skills of PhD students. Participants will study the discourse and linguistic conventions of academic writing in their own disciplines, and apply this knowledge to the writing of their theses/research papers. In addition to studying the discourse practices of academic writing, participants will examine the thinking processes underlying the formation of those practices. Participants will also learn the structures and processes of effective oral presentations. A range of topics will be explored, including writing different sections of a thesis/research paper; planning and writing research proposals; using language resources for effective writing; conceptualising research writing as argument; giving formal presentations in seminars, conference, PhD oral examinations, and job talks; and communicating ones research effectively to non-experts. The course will be taught by experienced educators of communication skills at NIE. On completion of this course, participants will be able to: - Identify textual conventions valued by the academic discourse communities of their own respective disciplines; - Organise the writing of arguments for academic purposes (e.g., thesis/research paper writing), taking into account the rhetorical goal and expectations of the academic discourse communities in question; - Select linguistic devices to build tectuality and evaluate their compositions for appropriateness to the rhetorical goal and conventions of the genres in question; - Implement the structures and processes of effective oral presentations; and - Achieve confidence in speaking about their own research.	3
SC802	Experimental Design and Biostatistics for Non-Mathematics Graduate Students	Data description and types of biological data; frequency distributions, samples from populations, random sampling. The arithmetic mean, median, mode, range, mean deviation, variance, standard deviation, coefficient of variation, indices of diversity. Chi-square goodness of fit, statistical significance, statistical errors in hypothesis testing, contingency tables. One sample hyphotheses: two-tailed one-tailed hypotheses concerning the mean, reporting variability about the mean, sample size and estimation of the population mean. Two sample hypotheses: testing for differences between two variances and between two means. Paired-sample hypotheses: the paired-sample t test. Multisample hypotheses: the analysis of variance (ANOVA), single factor analysis, multiple comparisons. Two factor ANOVA with equal replication, unequal replication, without replication. Data transformations. Simple linear regression, regression vs correlation, testing for significance of regression, comparing two slopes, comparing more than two slopes. Multiple regression: simple linear correlation, the correlation coefficient. Some common multicariate analyses: MANOVA, ANCOVA, Cluster analysis, PCA. Graduate students will be introduced to univariate and multivariate data analyses with the aid of a statistical software package (MINITAB) such that they will be able to analyze their own research data. Statistical techniques useful for laboratory and field scientist will be highlighted, with an emphasis on practical approaches to the design and execution of research.	3
SR824	Caregiving, Attachment, and Socioemotional/Cognitive Development	There is increasing interest in the quality of preschool instruction upon child outcomes. Relatedly, Singapore's educational system has begun to extend downwards, with an expansion into Infant Care. As such, it is imperative that educators understand the key ways in which early-life relationships influence children's socioemotional, cognitive, academic, and neural growth. This proposed course will begin with a theoretical understanding of the importance of early life Attachment relationships. It will then explore empirical research linking caregiving and attachment relationships to child outcomes relevant to academic success. Following this, students will learn about validated interventions to improve these relationships, including those that have been used with preschool and early primary teachers. Students will be asked to critically assess readings and examine their implications for the field of education.	3