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Exchange
TED 18DEC'23 PM 12:50

City University of Hong Kong
Talent and Education Development Office (TED)
Gateway Education (GE) Course Credit Transfer Pre Approval Application for Outbound Exchange Students

Name of Student: Naumov Iusuf
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Cohort: 2022
(e.g. 2013)

College/School: College of Engineering

Department: Computer Science

Programme/Major: Computer Science

Part 1: Credit Transfer

| To be completed by Applicant | | | | | | | | For Office Use | | | |
|------------------------------|-------------------------------|-------------------------|-------------|---|----------------------------------|---|--|----------------|------------------------------------|-------------------------|-----------|
| Name of Transfer Institute | Country of Transfer Institute | Outbound Exchange (Y/N) | Course Code | Course Title | Study Period (MM/YYYY – MM/YYYY) | A GE Course at Transfer Institution (Y/N) | Proposed GE Distributional Area* to be transferred | Approval (Y/N) | Number of Credit to be Transferred | GE Distributional Area* | Remarks |
| University of Birmingham | UK | Y | 06 39650 | LC Introduction to Data Analysis | 01/2024-06/2024 | N | Area 3 | Y | 3 | 3 | |
| University of Birmingham | UK | Y | 03 39926 | LC Ideas, Concepts, and Ethics in Psychology and Neuroscience | 01/2024-06/2024 | N | Area 1 | Y | 3 | 1 | |
| University of Birmingham | UK | Y | 08 33956 | LC Critical Thinking A | 01/2024-06/2024 | N | Area 1 | Y | 3 | 1 | |
| University of Birmingham | UK | Y | 03 17489 | LI Electronics | 01/2024-06/2024 | N | Area 3 | Y | 3 | 3 | |
| University of Birmingham | UK | Y | 06 25663 | LC Probability & Statistics | 01/2024-06/2024 | N | Area 2 | Y | 3 | 3 | m-ppal t. |
| University of Birmingham | UK | Y | 06 26709 | LI Probability & Statistics | 01/2024-06/2024 | N | Area 2 | Y | 3 | 3 | Area 3 |
| University of Birmingham | UK | Y | 08 29194 | LC Principles of Economics | 01/2024-06/2024 | N | Area 2 | Y | 3 | 2 | |

* Area 1: Arts and Humanities
Area 2: Study of Societies, Social and Business Organizations
Area 3: Science and Technology

Attach supporting documentations (e.g. Course document with detailed descriptions on content, contact hours, requirement and assessment) in support of the application. Application without relevant supporting documents will not be considered. Supporting documents will not be returned to students. Outbound exchange students are asked to file the applications **at least one month** before their exchange studies.

I declare that the course(s) listed in Part I has (have) not been transferred in other categories outside GE within the University and the information given in the application is correct and complete to the best of my knowledge.

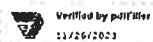
Signature:



Applicant

Date:

26.11.2023



Completed by Applicant (please tick)

Supporting document information checklist

- ☒ No. of credit / ECTs
- ☒ Contact Hours / Course mode
- ☒ Duration (e.g. one semester)
- ☒ Syllabus/Content/Description
- ☒ Assessment mode (e.g. exam/grading)

Endorsed by Exchange Coordinator (or equivalent):

Name:

Dr Kenneth Lee

Academic Unit:

CS

Email:

kenclee@cityu.edu.hk

Phone no.:

X. 4911

Signature:



Date:

15 Dec 2023

Please submit the signed application form with supporting documents to the TED Office (Room B5-119, 5/F, Yeung Kin Man Academic Building). For application containing complete information and the required supporting documents, the reviewing process will take approximately one month. The applicant or his/her associated academic unit will be informed about the credit transfer pre-approval decision.

Part II: (To be completed by the Director of TED)

I endorse the credit transfer decision listed in Part I.

Signature:



Director of TED

Date:

19 DEC 2023

| | |
|--|---|
| Module Title | LC Introduction to Data Analysis |
| School | Mathematics |
| Department | Mathematics |
| Module Code | 06 39650 |
| Module Lead | TBC |
| Level | Certificate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | None |
| Contact Hours | Lecture-24 hours Guided independent study-76 hours Total: 100 hours |
| Exclusions | |
| Description | <p>Many jobs and professions necessitate the ability to make objective decisions based on statistical data. This module aims to introduce students to the foundational concepts of data analysis and the application of statistical packages. Students will engage in activities involving data sampling and exploration, coupled with an introduction to basic probability concepts using statistical software.</p> <p>The module will also provide an overview of a diverse set of exploratory data analysis techniques, such as numeric summary statistics and fundamental data visualization. Students will be guided through the installation and use of various statistical software. They will use these platforms for lab exercises and projects, providing them with practical, hands-on experience.</p> <p>The module is designed to develop fundamental programming skills, which will serve as a solid foundation for inference and modelling tasks in advanced-level courses. This ensures students are well-prepared for the complexities and challenges of data analysis they might encounter in their future professional roles.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • Understanding exploratory data analysis via computation, simulation, and visualization utilizing statistical software. • Acquire a foundational knowledge of standard univariate distributions and their properties. • Learn how to collect, analyse, and correctly interpret data. • Enhance skills pertinent to data analysis through hands-on projects. • 20.5 • Become proficient in writing concise reports that describe, analyse, and interpret datasets using statistical concepts. • |
| Assessment | |
| Assessment Methods & Exceptions | <p>Assessment:</p> <p>1.5 hour examination (80%), coursework (20%)</p> <p>Reassessment:</p> <p>1.5 hour resit examination</p> |
| Other | |
| Reading List | |

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|--|---|
| Module Title | LC Ideas, Concepts, and Ethics in Psychology and Neuroscience |
| School | School of Psychology |
| Department | School of Psychology |
| Module Code | 03 39926 |
| Module Lead | Andy Bremner |
| Level | Certificate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | None |
| Contact Hours | Lecture-10 hours Seminar-2 hours Tutorial-4 hours Practical Classes and workshops-3 hours Guided independent study-81 hours Total: 100 hours |
| Exclusions | |
| Description | <p>This module introduces students to the conceptual foundations of psychology and neuroscience as scientific disciplines. The module will consider the status of psychology and neuroscience as scientific disciplines in philosophical discourse, addressing the nature of science more generally as well as the extent to which psychology and neuroscience embody the characteristics of scientific disciplines. The module will also introduce critical perspectives on psychology and neuroscience, including critiques of reductionism, the critical perspective on subjects and subjectivity, and social constructivist approaches to psychological explanation. Lastly, but vitally, the module will address the ethical and moral underpinnings of theory, research and practice in psychology and neuroscience, casting, investigating historical changes in the way we think about ethics in scientific research and practice in order to shed light on the question of how we ensure that psychologists and neuroscientists undertake science and practice in the best interests of the global population.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • Describe the nature of science and explain the scientific characteristics of psychology and neuroscience • Describe the principal critiques which have been levelled at psychology and neuroscience. • Explain some of the ethical and moral questions which need to be considered when determining how psychological and neuroscientific research and practice can be undertaken in the best interests of the global population. |
| Assessment | |
| Assessment Methods & Exceptions | <p>Assessment 100% coursework essay (1000 words) with annotated bibliography (500 words)</p> <p>Method of Reassessment Submission of an alternative coursework assessment in the supplementary coursework summer period.</p> |
| Other | |
| Reading List | |

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| Module Title | LC Critical Thinking A |
| School | Birmingham Business School |
| Department | Accounting |
| Module Code | 08 33956 |
| Module Lead | Tim Mason |
| Level | Certificate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | LC Academic Skills A - (08 33953) LC Widening Accounting Horizons A - (08 33975) |
| Co-requisites | |
| Restrictions | None |
| Contact Hours | Lecture-10 hours Tutorial-5 hours Practical Classes and workshops-10 hours Guided independent study-75 hours Total: 100 hours |
| Exclusions | |
| Description | <p>This module will develop discussion around ethics and critical thinking in the second semester, which will build on the foundation work covered in the first term. The aim of the module will be to prepare students for essay writing and thinking critically throughout the remainder of their degree.</p> <p>This module will be run in synergy with the personal tutorial system and activities. The module delivery includes a mix of learning activities within which students will be interacting with their peers, their personal tutors, other academic staff, and Ph.D. students, Alumni, the Career Network and the Academic Skills Centre. The content of focuses more particularly on:</p> <ul style="list-style-type: none"> • Research skills such as how to conduct research using secondary data and documents and how to carry out a case study analysis, etc; • Personal skills such becoming a responsible individual within organisation looking at resilience, diversity and volunteering. <p>Professional skills such as career development, developing IT skills, CV writing, reflectivity in practice, networking and personal branding.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • Identify and explain the key building blocks of academic arguments. Demonstrate engagement with own personal, academic and professional development activities; • Demonstrate the ability to formulate and deliver logical arguments; • Apply reflective practice to personal and professional development; • Define critical thinking and practice critique of the academic work of others and selves. |
| Assessment | <p>33956-01 : 1,500 word Essay : Coursework (80%)</p> <p>33956-02 : 750 word Reflective Report : Coursework (20%)</p> |
| Assessment Methods & Exceptions | <p>Assessment: Essay (80%); Report (20%)</p> <p>Reassessment: Reassessment by failed component</p> |
| Other | |
| Reading List | |

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|--|--|
| Module Title | LI Electronics |
| School | Physics and Astronomy |
| Department | Physics & Astronomy |
| Module Code | 03 17489 |
| Module Lead | Dr Laura Gonella |
| Level | Intermediate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | BSc/MSci Physics (option), Physics & Space Research (compulsory), Physics with Particle Physics & Cosmology (option), Theoretical Physics (option). Also available to Natural Science students. |
| Contact Hours | Lecture-24 hours Guided independent study-76 hours Total: 100 hours |
| Exclusions | |
| Description | <p>The module discusses the basic principles of analogue and digital electronics. It is important to recognise that it is analogue electronics that often provides the interface between a measuring device and the physical world. Therefore the first stage of an electronics circuit is to preserve and amplify a signal faithfully with minimal distortion. When we digitise an analogue signal we trade in our continuous physical signal for one in which only certain values are allowed. This sacrifices some information, but comes with some major advantages, such as errorless data transmission. Digital electronics is at the very heart of the telecommunications revolution that has given us the digital computer, the Internet and, more recently, digital radio and television. The analogue part of the course focuses on the frequency response of simple circuits and on the versatility of operational amplifiers. We shall investigate the advantages and potential problems of negative feedback. We will also look at the problem of noise and signal recovery and the problems associated with the process of analogue-to-digital conversion. Uses of digital electronics ranges from small-scale tasks possible with just a few logic gates up to the complexity of large computer farms. This section starts with an introduction to binary arithmetic, logic gates and the laws of Boolean algebra. Techniques for designing and improving logic are then introduced and illustrated with examples. Various types of logic families will be discussed together with how to make logic gates from semiconductors. Finally, the various types of devices and flip-flops and their applications are explored.</p> |
| Learning Outcomes | <p>By the end of the module the student should:</p> <ul style="list-style-type: none"> • Understand the concept of complex impedance. • Be able to derive the transfer function of simple circuits. • Be able to draw and derive information from Bode plots. • Know the basic characteristics of an operational amplifier. • Appreciate the advantages and potential problems of negative feedback. • Be able to study the behaviour of some common op-amp circuits. • Be able to use Bode plots to determine the stability of amplifier circuits. • Be able to design an oscillator using the concept of positive feedback. • Know the physical origin of different types of noise and the techniques used to remove them. • Understand the problems associated with digitising an analogue signal. • Recognise the need for anti-aliasing and anti-imaging filters in DSP applications. • Be able to write any number in binary or hexadecimal form. • Be aware of error handling and correction. • Have a firm grounding of basic logic gates and their applications. • Be able to perform and manipulate basic Boolean algebra. • Be able to design logic to perform simple functions. • Be able to use Karnaugh maps to simplify Boolean functions. • Be aware of different types of flip-flops and their applications. |
| Assessment | 17489-01 : Exam : Exam (Centrally Timetabled) - Written Unseen (80%) 17489-02 : Assessed problems : Coursework (20%) |
| Assessment Methods & Exceptions | Coursework (20%); 1.5 hour Examination (80%) |
| Other | |
| Reading List | |

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|--|--|
| Module Title | LC Probability & Statistics |
| School | Mathematics |
| Department | Mathematics |
| Module Code | 06 25663 |
| Module Lead | Dr Henning Sulzbach |
| Level | Certificate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | None |
| Contact Hours | Lecture-23 hours Guided independent study-77 hours Total: 100 hours |
| Exclusions | |
| Description | <p>Statistics, often regarded as distinct science rather than a branch of mathematics, is the study of data and uncertainty. Statistical techniques allow us to make conclusions, such as whether or not living near electricity pylons is dangerous, from sets of data. Statistics is also used in the design of effective experiments and in determining what data should be collected. For example, statistical techniques might be used to determine the frequency with which aircraft components should be tested for safety. Underlying these techniques is the assumption that these data are samples of a random variable that follows a probability distribution describing their behaviour. This module provides an introduction to probability and statistics. Axiomatic probability theory, including Bayes' Theorem, is discussed briefly. Key discrete and continuous probability modules (such as the binomial, Poisson and normal distributions) are introduced. Properties of expectation and variance are discussed. The Weak Law of Large Numbers and the Central Limit Theorem are covered before basic statistical ideas, such as statistical inference and hypothesis testing are introduced. Real world data are used to illustrate the theory.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • Calculate probabilities and conditional probabilities and apply Bayes' Theorem in standard situations. • Know and use the standard discrete and continuous probability models in appropriate situations. • Know the properties of expectation and variance and apply them to in standard situations. • Appreciate the significance of the Weak Law of Large Numbers and the Central Limit Theorem. • Understand and apply basic statistical techniques such as inference, point estimation, confidence intervals, hypothesis testing. |
| Assessment | 25663-01 : Raw Module Mark : Coursework (100%) |
| Assessment Methods & Exceptions | 1.5 hour Written Unseen Examination (80%); In-course Assessment (20%). |
| Other | |
| Reading List | |

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|--|--|
| Module Title | LI Probability & Statistics |
| School | Mathematics |
| Department | Mathematics |
| Module Code | 06 26709 |
| Module Lead | Dr Chris Good |
| Level | Intermediate Level |
| Credits | 10 |
| Semester | Semester 2 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | None |
| Exclusions | |
| Description | <p>Statistics, often regarded as distinct science rather than a branch of mathematics, is the study of data and uncertainty. Statistical techniques allow us to make conclusions, such as whether or not living near electricity pylons is dangerous, from sets of data. Statistics is also used in the design of effective experiments and in determining what data should be collected. For example, statistical techniques might be used to determine the frequency with which aircraft components should be tested for safety. Underlying these techniques is the assumption that these data are samples of a random variable that follows a probability distribution describing their behaviour. This module provides an introduction to probability and statistics. Axiomatic probability theory, including Bayes' Theorem, is discussed briefly. Key discrete and continuous probability modules (such as the binomial, Poisson and normal distributions) are introduced. Properties of expectation and variance are discussed. The Weak Law of Large Numbers and the Central Limit Theorem are covered before basic statistical ideas, such as statistical inference and hypothesis testing are introduced. Real world data are used to illustrate the theory.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • Calculate probabilities and conditional probabilities and apply Bayes' Theorem in standard situations. • Know and use the standard discrete and continuous probability models in appropriate situations. • Know the properties of expectation and variance and apply them to in standard situations. • Appreciate the significance of the Weak Law of Large Numbers and the Central Limit Theorem. • Understand and apply basic statistical techniques such as inference, point estimation, confidence intervals, hypothesis testing. • Students taking the module at Level I will explore the subject beyond the taught syllabus. |
| Assessment | 26709-01 : Raw Module Mark : Coursework (100%) |
| Assessment Methods & Exceptions | 1.5 hour Written Unseen Examination (80%); In-course Assessment (20%). |
| Other | None |
| Reading List | |

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|--|---|
| Module Title | LC Principles of Economics |
| School | Birmingham Business School |
| Department | Economics |
| Module Code | 08 29194 |
| Module Lead | Toby Kendall / Thomas Sebastian |
| Level | Certificate Level |
| Credits | 20 |
| Semester | Semester 1 |
| Pre-requisites | |
| Co-requisites | |
| Restrictions | Available only to students on degree programmes that include this module in their first year module portfolio. |
| Exclusions | |
| Description | <p>This module provides an introduction to economics for students taking a degree in which economics is a major component. The main purpose is to equip students with knowledge of the main economic concepts, theories and principles and the basic tools and methods of economic analysis. The module is designed to provide a reasonably complete perspective, at an introductory level, of microeconomics and macroeconomics. The microeconomics part explores the standard analytical frameworks used in examining concepts such as consumer preferences, optimal choice, firms' costs and production decisions, demand and supply, market structures, market failure etc. The macroeconomics part deals with the main macroeconomic variables (GDP, inflation, unemployment) and their measurement, and the basic macroeconomic theory including models of short-run and long-run aggregate demand and supply, and economic growth.</p> |
| Learning Outcomes | <p>By the end of the module students should be able to:</p> <ul style="list-style-type: none"> • demonstrate knowledge and understanding of basic concepts, theories and models in economics; • apply the appropriate methods of analysis to specified economic situations and problems; • interpret economic information presented in written, numerical and graphical form. |
| Assessment | <p>29194-01 : Exam : Exam (Centrally Timetabled) - Written Unseen (50%) 29194-02 : Assignment 1 : Coursework (25%) 29194-05 : Assignment 2 : Coursework (25%)</p> |
| Assessment Methods & Exceptions | <p>Assessments: 2 assignments (1,000 words each) (25%, 25%); 2 hour written unseen examination (50%)</p> <p>Reassessment: Reassessment by failed component</p> |
| Other | Duplicate of Dubai-based module 08 30388 |
| Reading List | |