

BRAIN SCIENCES



UCL is right in the heart of everything and allows you to get the feel of real city life while still being in the comfort of a university setting. UCL has a worldwide reputation for excellence and diversity. Students from all over the world come here and it's a truly amazing experience to be a part of the meeting of minds from cultures around the globe.

I think that showing I can adapt and thrive in a foreign setting will set me apart from my other classmates and colleagues. It shows future employers that I have the tenacity to get myself over here and then flourish in a society unlike my own. Study Abroad is a maturing experience; something that I am lucky to have.



Tanya Gulde
Arizona State University
Arizona, USA

LINGUISTICS

Although we all use our native language effortlessly, a surprisingly rich set of precise rules has been found to underlie our ability to do so. Linguists and phoneticians at UCL carry out cutting-edge research into various aspects of the human language faculty, something that is reflected in our teaching, which is challenging, interactive and fun.

Why study Linguistics at UCL?

Language researchers at UCL work on topics ranging from language acquisition and aphasia to the mathematical properties of human grammars. In line with this, we offer courses in three core areas: phonology/phonetics ('sound'), syntax/morphology ('sentence structure'), and semantics/pragmatics ('meaning'). In addition, you can take courses in psycholinguistics and sociolinguistics.

What will you gain from study at UCL?

You can develop your understanding of the human language faculty at many different levels, from introductory to very advanced. Of course, the skills associated with these levels differ, but all our courses help you question the familiar and evaluate different points of view. You will also develop your skills in oral and written presentation.

Teaching and assessment

Courses typically consist of a weekly lecture (one or two hours) plus a 'back-up' in which students work in small groups. Assessment in introductory courses is by (end-of-term) examination. Intermediate and advanced courses are usually assessed by essay.

Extended descriptions of the courses available can be found by visiting the web address at the top of this page

Contact Name

Stefanie Anyadi
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TEL +44 (0)20 7679 4224

Availability

Year
Fall Term
Spring Term

Tuition Fees

£14,000 (for full explanation of tuition fees please see page 165)

Related courses can be found in these departments:

- Psychology, page 65
- Speech Sciences, page 68

LEVEL 1 COURSES

PLIN1001

Logic and Meaning – A

Availability	Fall Term
Credit Value	4 (US) 7.5 (ECTS)

This course is an introduction to the study of meaning in natural language and to some basic logical concepts and their application in semantics and pragmatics.

PLIN1002

Logic and Meaning – B

Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

Two logical languages, the propositional calculus and the predicate calculus, are introduced and their relevance to the understanding of natural languages is explored.

PLIN1101

Introduction To Phonetics and Phonology A

Availability	Fall Term
Credit Value	4 (US) 7.5 (ECTS)

An introductory course in phonetics and phonology, including a grounding in practical phonetics.

PLIN1102

Introduction to Phonetics and Phonology – B

Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

A continuation of PLIN1101. The course introduces the concept of phonemic transcription and discusses the features of connected speech in English.

PLIN1201

Introduction to Generative Grammar – A

Availability	Fall Term
Credit Value	4 (US) 7.5 (ECTS)

This course introduces students to the scientific study of human language, with special emphasis on sentence structure.

PLIN1202

Introduction to Generative Grammar – B

Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

Complementing PLIN1201, this course introduces students to several structural phenomena found in natural languages and discusses what we can learn from these about a speaker/hearer's "mental grammar".



PLIN1302**Introduction to Language**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

An introduction to the main areas of linguistics, including the application of scientific methodology in linguistics.

PLIN1601**Introduction to Children's Language Development**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	2/4 (US) 3.75/7.5 (ECTS)

Introducing language acquisition as a theoretical issue.

LEVEL 2 COURSES**PLIN2002****Pragmatic Theory**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course covers the nature of communication, the relation between language and communication, and some recent approaches to the study of communication.

PLIN2003**Topics in Semantics and Pragmatics**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Considers semantic and pragmatic analyses of contentious aspects of utterance meaning and assesses the adequacy of the theories from which they are derived.

PLIN2008**Semantic-Pragmatic Development**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course explores children's developing pragmatic competence.

PLIN2101**Phonology of English**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Patterns underlying the surface detail of English phonetics.

PLIN2103**Phonological Theory A**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

An introduction to the study of the design properties of the sound systems of human language.

PLIN2104**Phonological Theory B**

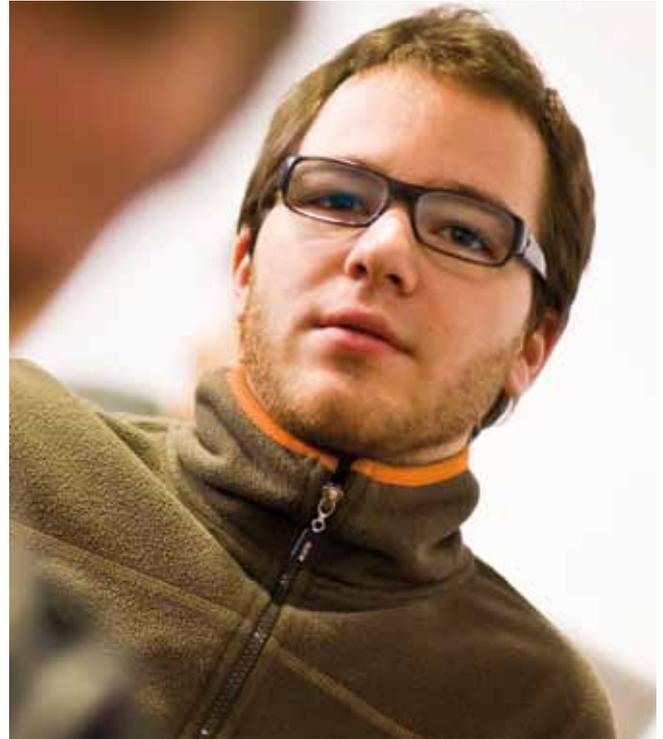
<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

An intermediate level investigation into the design properties of the sound systems of human language.

PLIN2105**Practical Phonetics**

<i>Availability</i>	Year, Fall Term, Spring Term
<i>Credit Value</i>	2/4 (US) 3.75/7.5 (ECTS)

A course in, principally, ear-training in English Received Pronunciation (with a conventional notation), nonsense words and tones. The symbols used are those of the International Phonetic Association.

**PLIN2202****Intermediate Generative Grammar A**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course offers an intermediate level introduction to theories that deal with the distribution of arguments in generative syntax.

PLIN2203**Intermediate Generative Grammar B**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course offers an intermediate level introduction to the issue of locality in generative syntax.

PLIN7305**Sociolinguistics**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course aims to introduce the ways in which spoken language can vary as a result of social factors such as class, age and gender.

PLIN7306**Psycholinguistics: General Processing**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

An introduction to the mechanisms and types of information people use to recognise, comprehend and produce words and sentences of natural languages.

PLIN7308**Psycholinguistics: Stages in Normal Language Development**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Introduces the scientific study of language acquisition in typically developing children, with special emphasis on development after the onset of syntax, at around two years.

PLIN7309**Linguistics of Sign Language**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course introduces students to the linguistic study of signed languages, including sign language phonology, morphology, syntax and sociolinguistic variation.

LEVEL 3 COURSES**PLIN3001****Issues in Pragmatics**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Dealing with current issues in pragmatic theory; one or two topics will be treated in depth, with a variety of theories, data and approaches being considered.

PLIN3002**Philosophy of Language**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course covers recent philosophical work of interest to linguists, and topics of joint interest to both philosophers and linguists.

PLIN3101**Phonetic Theory**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

An advanced course on general phonetic theory from an articulatory standpoint.

PLIN3103**Advanced Phonological Theory A**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

A discussion of recent developments in phonological theory, particularly Optimality Theory (OT).

PLIN3104**Advanced Phonological Theory B**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Exploration of current developments in phonological theory.

PLIN3201**Current Issues in Syntax**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course introduces students to a recent theory of a specific topic or a series of related topics in generative syntax.

PLIN3202**Readings in Syntax A**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course offers an advanced exploration of a specific topic in generative syntax.



PSYCHOLOGY

Psychology at UCL involves the largest number of researchers in the UK, carries out research across the whole breadth of the field, teaches at both undergraduate and graduate level, and provides leadership in the development of psychology as a profession.

Why study Psychology at UCL?

Psychologists at UCL include many of the world's leaders in their fields. The department is strong in research and in the last (2008) UK government Research Assessment Exercise 75% of its research was rated as 3* or 4* (of 'internationally excellent' or 'world-leading' quality). It currently receives nearly £20million of external funding. It has excellent teaching and research accommodation for most branches of Psychology.

What you will gain from study at UCL

Affiliate students will receive exposure to some of the world's leading psychologists and the British perspective on issues in psychology. Students have the opportunity to carry out semi-independent research while at UCL. UCL is especially strong in cognitive neuroscience.

Teaching and Assessment

Students attend lectures for each course they are enrolled in and a weekly small-group seminar. Students enrolled only for the Fall Term will write essays in lieu of examinations while full-year and spring/summer students will sit the normal course examinations.



Please note that course availabilities may change. If your home university requires you to take specific courses, please contact the Affiliate Tutor (details left) prior to arrival.

PSYC1104	
Introduction to Statistical Methods in Psychology	
Availability	Year
Credit Value	4 (US) 7.5 (ECTS)

Provides an introduction to statistical principles and methods used in psychology. Introduces data analysis from a 'model-fitting' perspective and a traditional hypothesis testing method.

CORE COURSES

NEUR3045	
Visual Neuroscience	
Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

The aim is to provide students with an understanding of the neurobiological basis of visual perception.

PSYC1201	
Memory and Decision	
Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

To introduce normative and descriptive theories of various types of decision making, and to enable students to understand basic processes of memory encoding, organisation and retrieval.

PSYC1103	
Introduction to Psychological Experiments	
Availability	Year
Credit Value	4 (US) 7.5 (ECTS)

In this laboratory course students are introduced to the various experimental methods used in different disciplines of Psychology, and learn techniques for designing and carrying out experiments.



Extended descriptions of the courses available can be found by visiting the web address at the top of this page

Contact Name
Daniel Richardson EMAIL daniel.richardson@ucl.ac.uk TEL +44 (0)20 7679 5353
Availability
Year Fall Term Spring Term
Tuition Fees
£18,500 (for full explanation of tuition fees please see page 165)

Related courses can be found in these departments:

- Linguistics, page 62
- Speech Sciences, page 68

PSYC1202**Social Psychology**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course raises key issues pertaining to an understanding of the social dimension of human psychology. It covers mainstream traditions and critical approaches.

PSYC1203**The Psychology of Individual Differences**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Outlines how people differ in terms of their personality and aptitudes, how we can measure these differences, and what the causes might be.

PSYC2203**Research and Quantitative Methods in Psychology**

<i>Availability</i>	Year
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to develop skills associated with psychological research through practical experience of designing experiments in several different fields of Psychology.

PSYC2204**Design and Analysis of Psychological Experiments**

<i>Availability</i>	Year
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course aims to provide students with the knowledge required to design sound psychological studies and to apply appropriate analyses to the results.

PSYC2205**Brain and Behaviour**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The aim of this course is to introduce the study of the neurobiology of behaviour.

PSYC2206**Health and Clinical Psychology**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course provides an introduction to issues in clinical and health psychology, considering psychological, social and biological influences on causes of mental disorders.

PSYC2207**Perception, Attention, and Action**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Provides an introduction to core theoretical issues and experimental findings in the study of human perception, attention, and action.

PSYC2208**Cognition and Language**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Conveys the results and implications of recent research on central cognitive processes and the brain systems involved in human language.

PSYC2209**Developmental Psychology**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Covers research on cognition and socio-emotional functioning in children, covering developmental issues, the neurocognitive systems involved, the historical background and individual differences.

PSYC2301**Computing for Psychologists**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course provides an introduction to computer programming with a bias towards psychological experimentation and research design.

PSYC3102**Social Psychology**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Covers a range of issues in Social Psychology and provides analysis of methodological issues of classic social experiments.

PSYC3104**Psychology and Education**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

To examine ways, in which psychological theory and research can inform educational practice.

PSYC3107**Topics in Clinical Psychology**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Provides an introduction to several important areas in clinical psychology; demonstrates the application of psychological theory to concerns in mental and physical health.

PSYC3108**Organisational Psychology**

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The aim of this course is to give a critical, up-to-date overview of the theorising and research in organisational psychology.

PSYC3110**Topics in Developmental Psychology**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to discuss a range of advanced topics in normal and abnormal development, in order to illuminate the processes underlying children's development.

PSYC3201**Applied Decision Making**

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to discuss research that throws light on the psychological processes underlying decision making in a number of different domains.

PSYC3203

Language and Cognition

<i>Availability</i>	Year, Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to discuss current psychological issues and controversies in the area of language and cognition and to help participants think about these issues creatively and constructively.

PSYC3205

Speech

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The course aims to provide the student with an understanding of speech perception and production.

PSYC3207

Human Learning and Memory

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Provides an overview and evaluation of contemporary psychological research on human learning and memory, with a particular emphasis on cognitive neuroscience.

PSYC3209

Cognitive Neuroscience

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to introduce the ideas, techniques, and current state of knowledge of the field of cognitive neuroscience.



PSYC3210

The Brain in Action

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Introduces the main brain areas controlling voluntary action and the functions of these areas using a range of behavioural and neural methods.

PSYC3211

Attention and Awareness

<i>Availability</i>	Fall Term, Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

This course covers contemporary cognitive neuroscience research on attention and conscious awareness covering research using a variety of approaches.

PSYC3301

Advanced Multivariate Statistical Methods in Psychology

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

The aim is to provide an understanding of practical and theoretical aspects of using multivariate statistics in psychology.

PSYC3303

Topics in Neurobiology

<i>Availability</i>	Fall Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to explore some of the biological bases of behaviour.

PSYC3901

Research Project

<i>Availability</i>	Year
<i>Credit Value</i>	8 (US) 15 (ECTS)

Students carry out a year-long research project under the supervision of a member of academic staff.

PSYC6001

Introduction to Social and Business Psychology

<i>Availability</i>	Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Aims to give non-psychology students an understanding of the theories, research and applications in current business psychology.

PSYC9001

One Term Psychology Research Project

<i>Availability</i>	Fall Term, Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

A research project done under the supervision of a member of academic staff.

PSYC9002

Psychology Readings

<i>Availability</i>	Fall Term, Spring Term
<i>Credit Value</i>	4 (US) 7.5 (ECTS)

Students will put together a set of readings on a topic in psychology that will be done under the supervision of a member of academic staff.

SPEECH SCIENCES

In Speech Sciences at UCL you will have the opportunity to work with some of the leading researchers in the field. Our research was highly rated in the most recent (2008) UK government assessment, and all teaching is informed by up-to-date developments in research.

Why study Speech Sciences at UCL?

At UCL the discipline has its own specialist library, the UCL Language and Speech Science (LASS) Library. This is both a part of UCL Library Services and the National Information Centre for Speech-language Therapy (NICeST). This collection covers all aspects of human communication and its disorders.

What you will gain from study at UCL

You will have excellent opportunities to see the application of knowledge to treatment of clients with communication difficulties, and how knowledge from breakdown of communication informs our understanding of normal processing of language.

Teaching and Assessment

You will experience teaching in lectures (usually no more than 90 students), small teaching groups and tutorials (usually around eight students). Assessments are in the form of examinations, coursework, data analysis and laboratory-based work.

LEVEL 2 COURSES

SPSC2001

Linguistics 2

Availability	Year
Credit Value	4 (US) 7.5 (ECTS)

This course builds on existing knowledge and skills in Linguistics.

SPSC2003

Phonetics Science 2: Acoustics of Speech and Hearing

Availability	Year
Credit Value	8 (US) 15 (ECTS)

This course gives an overview of the processes of spoken language communication that are concerned with how phonological units are encoded in sound, propagated and decoded.

SPSC2004

Research Methods and Statistics 1

Availability	Fall Term
Credit Value	4 (US) 7.5 (ECTS)

Students learn the principles of research methodology in addition to basic descriptive and elementary inferential statistics, including use of a statistical computing programme, SPSS.

SPSC2005

Anatomy and Physiology of Speech, Language and Hearing

Availability	Year
Credit Value	8 (US) 15 (ECTS)

Introduces students to the basic concepts of human anatomy and physiology, developing those concepts which have particular relevance to spoken communication and swallowing.



Extended descriptions of the courses available can be found by visiting the web address at the top of this page

Contact Name

Dr Christina Smith
EMAIL christina.smith@ucl.ac.uk
TEL +44 (0)20 7679 4233

Availability

Year
Fall Term
Spring Term

Tuition Fees

£18,500 (for full explanation of tuition fees please see page 165)

Related courses can be found in these departments:

- Linguistics, page 62
- Psychology, page 65



LEVEL 3 COURSES

SPSC3001

Hearing Sciences: Speech Perception and Audiology

Availability	Year
Credit Value	8 (US) 15 (ECTS)

Advanced study of speech perception, acoustics and audiology.

SPSC3003

Disorders of Vocal Tract Structure and Function 1

Availability	Year
Credit Value	8 (US) 15 (ECTS)

Topics include the aetiology, assessment, diagnosis, treatment and management of neuromuscular and structural speech and swallowing disorders in children.

SPSC3004

Psychology of Language and Communication

Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

Provides a comprehensive overview of current psychological theories of human language and communication and introduces students to cognitive neuropsychology of language.

SPSC3005

Research Methods and Statistics 2

Availability	Spring Term
Credit Value	4 (US) 7.5 (ECTS)

This study area introduces students to a range of research methods particularly suited to the study of communication disorders, and introduces advanced statistical techniques.



SPSC4002

Disorders of Vocal Tract Structure and Function 2

Availability	Spring Term
Credit Value	8 (US) 15 (ECTS)

Topics include the aetiology, assessment, treatment and management of neurological and structural speech, voice and swallowing disorders in adults with acquired disorders.

SPSC4003

Health Psychology across the Lifespan

Availability	Year
Credit Value	8 (US) 15 (ECTS)

Drawing primarily on work in health and clinical psychology, this focuses on aspects of health and healthcare research, policy and practice relevant to speech and language therapy.