

**EFLU-SCHOOL OF LANGUAGE SCIENCES**  
**MA LINGUISTICS PROGRAMME (CAFETERIA MODE) TIMETABLE SEMESTER I/III**  
**AUG – NOV 2019**

**MA Linguistics (Cafeteria Mode)**

**Core Courses**

LS 111- Phonetics I	-	Dr. Komali Prakash
LS 131 - Morphology I	-	Prof. Shruti Sircar
LS 141 - Syntax I	-	Prof. M. Hari Prasad
LS 151 - Semantics I	-	Dr. Utpal Lahiri
LS 194 - Language Acquisition	-	Prof. Shruti Sircar
LS 221 - Phonology II: Introduction to Advanced Phonology	-	Prof. Hemalatha Nagarajan
LS 311 - Linguistic Phonetics	-	Prof. S. Jayaraju/ Dr.Meena Debashish/ Dr. Neelam Singh

**Elective Courses**

LS 107 - Introduction to Panini's Grammar and Indian Logic	-	Dr. Nilakantha Dash
LS 161 - Applied Linguistics	-	Dr. Hemanga Dutta
LS 171 - Introduction to Mathematical Linguistics	-	Dr. Utpal Lahiri
LS 175 - Quantitative Methods in Linguistics	-	Dr. Indranil Dutta
LS 176 - NLP with Python	-	Dr. Indranil Dutta
LS 181 - Natural Language Processing I	-	Dr. Atreyee Sharma / Rahul Balusu
LS 186 - Introduction to Corpus Linguistics	-	Dr. Atreyee Sharma
LS 212 - Syllable in Phonetic Theory	-	Prof. S. Jayaraju

### Course Descriptions

Course Title	Phonetics I
Course Code	LS 111
Semester	I
No. of Credits	5
Name of Faculty Member(S)	Dr. Komali Prakash
Course Descriptions:	Speech mechanism; consonant and vowel classificatory criteria; English vowels and consonants; distribution, combination, contrasts; syllable; word stress, sentence stress, rhythm and intonation
Evaluation Scheme	Presentations, Tests and Assignments

Course Title	Morphology I
Course Code	LS 131
Semester	I/III – 40 students
No. of Credits	5
Name of Faculty Member(S)	Prof. Shruti Sircar
Course Descriptions:	<p>The course will examine morphological phenomena from across the world's languages and try to discuss the relationship of morphology to phonology and other areas of grammar, such as syntax and semantics. The course will help learners</p> <ul style="list-style-type: none"> <li>• to identify the meaningful subparts of words and perform morphological analysis on unfamiliar languages</li> <li>• to understand the major morphological phenomena found in the world's languages</li> <li>• to analyze morphological and phonological patterns in particular languages, and their interactions</li> <li>• to represent morphosyntactic structure diagrammatically, and comprehend the relationship between such structure and meaning</li> </ul>
Evaluation Scheme	<p><i>Internal (40%)</i>  Two sit down open-book tests, which will be a mixture of multiple choice, problem-solving and short-answer questions  One final project based on original work on some morphological aspect of an understudied language</p> <p><i>External: sit down examination (60%)</i></p>

Course Title	Basic Issues in Syntax
Course Code	LS 141
Semester	I/III
No. of Credits	5
Name of Faculty Member(S)	Prof. M. Hari Prasad
Course Descriptions:	<p>The aim is to convey the concepts and tools of analysis of the theory and for students to think of data from their own languages.</p> <p>Basic notions (<i>Aspects</i>): competence-performance, idealization, mentalism, the notion of generativity, creative aspects of language use, levels of adequacy.</p> <p><i>GB</i>: Theories of Case, Bounding, Government, Theta roles, Binding, Case; LF, DS, SS, the inverted Y grammar; Projection principle, empty categories, c-command X-bar theory; constituents, movements, case theory; traces and chain; Binding principles; empty categories; LF. Pro drop; LF and quantifier scope, Split INFL hypothesis, VP internal subject, DP analysis</p>
Evaluation Scheme	Midterm: Final: 40: 60

	Semantics I
Course Code	LS 151
Semester	I/III
No. of Credits	5
Name of Faculty Member(S)	Dr. Utpal Lahiri
Course Description: 150/200 words	<p>An introduction to basic semantics. At least one introductory syntax class, though not required, will be very useful. Some knowledge of basic mathematical notions from set theory and logic will be assumed, but much of it will be introduced as we move along in the class, so students without the background should not have problems.</p> <p>This course is an introduction to semantic theory in the context of modern generative grammar. Topics include reference and truth, proper names, predication, quantification, logical form in philosophy and linguistics, rules of semantic composition, lambda abstraction, generalized quantifiers.</p>
Textbook	<i>A Course in Semantics</i> , by Altshuler, D., Terence Parsons and R. Schwarzschild. Forthcoming from MIT Press in 2019
Evaluation Scheme	Homework and class attendance/discussion (25%), Internal exam (25%), and Final Exam (50%).

Course Title	Language Acquisition
Course Code	LS 194
Semester	I/III – 30 students only
No. of Credits	5
Name of Faculty Member(s)	Prof. Shruti Sircar
Course Description: 150/200 words	<p>Language Acquisition (LS 161) is an introductory course designed to enable students to acquire an understanding of the process of language acquisition, including how children learn words, learn sounds and learn how to construct grammatically correct sentences. It provides students with the basic skills for carrying out child language acquisition research. Issues covered include collecting, describing and interpreting children's data and reporting research findings. Students will be given an opportunity to analyze some data from a child who is in the process of learning language.</p>
	<p><b>Preliminary Reading</b></p> <p>O'Grady (2005) <i>How Children Learn Language</i>. Cambridge University Press.</p> <p>Maria Teresa Guasti (2003) <i>Language Acquisition: the Growth of Grammar</i>. MIT Press.</p> <p>Students will be given a full reading list at the beginning of the semester.</p> <p>Journals that publish child language acquisition research include, <i>First Language</i>, <i>Language Acquisition</i>, <i>Journal of Child Language</i>, <i>Language Acquisition</i>, <i>Journal of Verbal Learning and Verbal Behaviour</i>.</p> <p><b>Assessment</b></p> <ul style="list-style-type: none"> <li>• Three quizzes (MCQ, short/long answers) – 30% internal assessment</li> <li>• Short presentations – 10% of the internal assessment</li> </ul> <p>Final examination – 60% of the final assessment</p>

- Pre requisite for the course: **should have done Syntax 1**

Course Title	Phonology II: Introduction To Advanced Phonology
Course Code	LS 221
Semester	I/III
No. of Credits	05
Name of Faculty Member(s)	Prof. Hemalatha Nagarajan (HN)
Course Descriptions:	<p>This course aims to familiarize students with:</p> <p style="padding-left: 40px;">a. Lexical phonology and b. Optimality theory</p> <p>Lexical phonology examines the interaction between morphology and phonology and explains the morphologically-conditioned phonological rules in terms of different strata or levels.</p> <p>Optimality theory was introduced in the early 1990s as an alternative model of the organization of natural human language sound systems. This model does not have rules or rule-ordering but instead introduces <i>constraints</i> that are <i>ordered</i> and which are <i>violable</i>. In this course, the basic principles of optimality theory will be introduced and explained (GEN, CON, and EVAL). Three important constraint families will be explored (Faithfulness, Alignment, and Markedness). The course examines recurring issues in phonological theory and shows how optimality theory might account for them.</p> <p>This course will be give you hands-on experience in analyzing data (from known and unknown languages) and equip you for research in the area of phonology.</p> <p>Pre-requisite: Basic Issues in Phonology (but not mandatory)</p>
Evaluation Scheme	<p>40 % Internal: 3 Tests (Open Book)</p> <p>60% External-Semester-end examination-(Open Book)</p>

Course Title	Linguistic Phonetics
Course Code	LS 311
Semester	I/III
No. of Credits	5
Name of Faculty Member(S)	Prof. S. Jayaraju / Dr. Meena Debashish / Dr. Neelam Singh
Course Descriptions:	Initiation: air stream mechanism; phonation: phonatory stricture types, combination of stricture types, locations for phonation, and voicing and aspiration; articulation; stricture types, location and co-articulation; prosodic features: stress, rhythm and intonation; acoustic properties of speech sounds: frequency, resonance and amplitude: spectrographic analysis: formants, harmonics, duration, broad-band and narrow-band, section; acoustic descriptions of vowels, consonants; practice in ear training; instrumental work in the laboratory
Evaluation Scheme	Mid term: Final: 40: 60
Prerequisite	Those students who have completed LS 211 course.

Course Title	Introduction to Panini's Grammar and Indian Logic
Course Code	IND
Semester	I/III
No. of Credits	5
Name of Faculty Member(s)	Nilakantha Dash
Course Description (150/200 words)	<p>[LS-107] IND 101 Introduction to Panini's Grammar and Indian Logic -I : The course covers : (A) Pratyahara, Structure of Astadhyayi, rule types/ rule ordering, sandhis. (B) A close reading of Tarkasamgraha (1st half) of Annam Bhatta. Discussions on the concepts: padartha, dravya, jati, sambandha, karya-karana, prameya, pramiti, karana (pramana), jnana, Perception: internal and external; determinate and indeterminate; normal and supernormal).</p>

Course Title	Applied Linguistics
Course Code	LS 161
Semester	I/III
No. of Credits	5
Name of Faculty Member(s)	Dr. Hemanga Dutta
Course Description: 150/200 words	<p>The course intends to focus on the applied aspects of linguistics such as Neurolinguistics, Sociolinguistics and Policy making and Language teaching</p> <ol style="list-style-type: none"> <li>1. Language and Brain: connectionist, hierarchical, global and process model</li> <li>2. Language disorders: Aphasia, Dyslexia, Schizophrenia, Autism, Cerebral Palsy, Stuttering, Acalculia, Mothers depression, Dysarthria etc.</li> <li>3. Developmental milestones of Language acquisition</li> <li>4. Language and society with special reference to dialectology, language attitude and linguistic landscape studies</li> <li>5. Language Planning, Tribal and endangered language studies</li> <li>6. Language advantage</li> <li>7. Indian Constitution and Language Specific Provisions</li> <li>8. Language teaching methods: direct, indirect, audio lingual, communication method etc</li> <li>9. Syllabus, materials and techniques of language teaching.</li> <li>10. Translation studies</li> <li>11. Discourse Analysis</li> </ol> <p><i>All the topics covered in this course are components of UGC NET Linguistics syllabus</i></p>
Evaluation Scheme	1 mid sem + 1 term paper + Final exam Assignments 40% 60%

Course Title	Introduction to Mathematical Linguistics
Course Code	LS 171
Semester	I/III
No. of Credits	5
Name of Faculty Member(S)	Dr. Utpal Lahiri
Course Descriptions:	<p>Set theory, Propositional logic, Predicate Calculus, Formal Grammars, Chomsky Hierarchy, Algebraic Structures (Orders, lattices, Boolean Algebras).</p> <p>Textbook: Partee, B., R. Wall and A. Ter Meulen (1990). Mathematical Methods in Linguistics. Springer.</p>
Evaluation Scheme	Home works: Midterm: Final

Course title	Quantitative methods in linguistics
Course code	<b>LS 175</b>
Semester	I/III
No. of credits	5
Name of faculty member(s)	Dr. Indranil Dutta
Course description	150/200 This course is an introduction to using statistical methods for linguistic analysis; learning to model linguistic behaviour in quantitative terms, and also using model-theoretic approaches along with empirical methods. The expectation at the conclusion of the course is that the students will be able to design their own studies, perform statistical analyses, present their results and use advanced data visualization techniques to advance their arguments.

Course title	NLP with Python
Course code	<b>LS 176</b>
Semester	I/III
No. of credits	5
Name of faculty member(s)	Dr. Indranil Dutta
Course description	150/200 words
	The aim of this course is to learn basic natural language data manipulation using the Natural Language Toolkit (NLTK), a set of open source libraries which are a part of the Python development environment. Students will learn basic Python functions to achieve simple text processing and manipulation tasks. These will involve regular expressions for normalizing and tokenizing text; word and sentence level segmentation of large unannotated corpora; Part-of-Speech (POS) tagging algorithms and implementation; supervised classification of text and evaluation of classification methods.

Course title	Natural Language Processing - I
Course code	<b>LS 181</b>
Semester	I/III
No. of credits	5
Name of faculty member(s)	Dr. Atreyee Sharma/ Dr. Rahul Balusu
Course description	150/200 This course deals with a wide range of topics in natural language processing, including word and sentence tokenization, text classification and sentiment analysis, spelling correction, information extraction, parsing, meaning extraction, and question answering. The course also introduces computational models.
Evaluation Scheme	Home works: Midterm: Final

Course title	Introduction to Corpus Linguistics
Course code	<b>LS 186</b>
Semester	I/III
No. of credits	5
Name of faculty member(s)	Atreyee Sharma
Course description words	150/200 Corpus linguistics is a method of carrying out linguistic analyses. Digital texts are constantly changing and improving, so linguists are increasingly relying upon corpus searches to complement and extend intuitive judgments. Corpora are often used by linguists as the raw material from which language description may be fashioned. This course aims to familiarise students with the three types of corpus and their collection, development, application and issues. Tentatively the following topics are covered: Corpora (Text, Speech & Sign): Concept & Classification Encoding (Concept of Font & Encoding; ASCII, ISCII & Unicode), Balanced Corpus: Concept, Development & Challenges with special reference to Text, Speech and Sign language corpora. NER and its development, Linguistic knowledge & Corpus: Annotation & Extraction. Corpus Utilities & Corpus analysis tools (Transliteration, Frequency, N-gram, KWIC-KWOC, Concordances, etc).

Course Title	Syllable in Phonetic Theory
Course Code	LS 212
Semester	I/ III
No. of Credits	05
Name of Faculty Member(S)	Prof. S. Jayaraju
Course Descriptions:	(SPT) offers the certain basic research-oriented insights into the concept of syllable-- a basic suprasegmental unit. The course exposes the participants to different linguistic treatments of syllable. It requires four contact hours a week, where classroom instruction, interaction, and presentations are paramount. The tentative topics targeted to be covered on the course are – <i>The concept and History of Syllable, Segments and their Role in Syllable Structure, Syllabification, Syllable and Connected Speech, Syllable Phonotactics, and Different Treatments of syllable.</i>
Evaluation Scheme	Mid-term: Final::40:60