Denominazione	Questions in Logic: an introduction to inquisitive logic
Docente (se già definito)	Ivano Alessandro Ciardelli
Ore	7
CFU	1
Periodo di svolgimento	12-14 November 2024
Modalità di erogazione	☒ In presenza ☐ A distanza ☐ Duale
Lingua di erogazione	Inglese
Obbligo presenza	☒ Sì (60% minima di presenza) ☐ No
Contenuti del corso	Il corso fornisce un' introduzione a un ramo della logica recentemente sviluppato, la logica inquisitiva, il cui scopo è sviluppare un approccio unificato alle relazioni logiche tra enunciati e domande. Per maggiori dettagli si veda la descrizione estesa in inglese.
Obiettivi di apprendimento	- Comprendere il ruolo delle domande in logica - Comprendere come enunciati e domande possono essere analizzati in un quadro teorico unitario - Imparare a formalizzare varie tipologie di domande in logica inquisitiva proposizionale e dei predicati - Apprendere alcuni risultati fondamentali della logica inquisitiva
Metodologie didattiche	Lezione frontale
Corso su competenze trasversali, interdisciplinari, transdisciplinari	☒ Sì ☐ No
Possibile partecipazione di dottorandi di altri corsi	☐ Sì ☒ No
Prerequisiti (non obbligatorio)	Conoscenze di base in logica proposizionale e dei predicati
Modalità d'esame (se previsto)	Partecipazione in classe, discussione di problemi

Materiale studio	I. Ciardelli, Inquisitive logic: consequence and inference in the realm of questions, Springer, 2023 (liberamente consultabile online)
Informazioni aggiuntive	

Course unit English denomination	Questions in Logic: an introduction to inquisitive logic
Teacher in charge (if defined)	Ivano Alessandro Ciardelli
Teaching Hours	7
Number of ECTS credits allocated	1
Course period	12-14 November 2024
Course delivery method	☒ In presence ☐ Remotely ☐ Blended
Language of instruction	English
Mandatory attendance	☒ Yes (60% minimum of presence) ☐ No
Course unit contents	Logic is concerned with certain relations between sentences, such as entailment and consistency. Traditionally, however, logic has focused on a special class of sentences, namely, statements—sentences which can be true or false. The course makes a case for extending logic beyond statements to encompass also questions, and describes how such an extension can be achieved in the framework of inquisitive logic. We will see that once logic is generalized to questions, important logical notions such as answerhood and dependency emerge as facets of the fundamental notion of entailment, and can thereby be analyzed by using the logician's toolkit of model-theoretic constructions and proof systems. Having thus motivated the enterprise and laid out the conceptual framework in detail, we will look at how classical propositional and predicate logic can be enriched with questions and study the meta-theoretic properties of the resulting logics. The course is structured into four classes: - Class 1: Motivations and foundations of inquisitive logic - Class 2: Inquisitive propositional logic - Class 3: Questions in inferences - Class 4: Inquisitive predicate logic
Learning goals	- Understanding the role of questions in logic - Understanding how questions and statements can be analyzed in a unified semantic framework - Acquiring the ability to regiment different kinds of questions in propositional and predicate logic - Learning some fundamental results about inquisitive logics
Teaching methods	Lectures
Course on transversal, interdisciplinary, transdisciplinary skills	☒ Yes ☐ No

Available for PhD students from other courses	☐ Yes ☒ No
Prerequisites (not mandatory)	Basic knowledge of propositional and predicate logic
Examination methods (in applicable)	Participation in class, discussion of problems
Suggested readings	I. Ciardelli, Inquisitive logic: consequence and inference in the realm of questions, Springer, 2023 (available open access)
Additional information	