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General Outline

An introductory survey of the main alternatives to classical logic, i.e. theories that deviate from the classical account of logical validity. The focus will be on theories that depart from classical logic with regard to the law of *Bivalence* ("Every statement is either true or false") or the law of *Non-contradiction* ("No statement is both true and false"), or both—including sentential and predicate versions of many-valued logics, free logics, paraconsistent logics, and more. Details of the semantics and proof-theories of these logics will be reviewed along with their philosophical motivations.

Prerequisites

One term of formal logic (PHILUN3411/PHILGR5415 *Symbolic Logic* or CSPHG4801 *Mathematical Logic I* or equivalent).

Requirements

The final grade is determined as follows: (a) class participation (10%); (b) two take-home assignments (25% each); (c) final examination (40%).

Readings

There is no textbook. Instead, lecture notes will be made available as the course progresses and posted in PDF form on *CourseWorks* (section *Files*). All readings, primary and supplemental, will also be made available through *CourseWorks*.

Schedule (tentative)

1.	01/16	Introduction: Classical vs. Non-Classical Logics
2.	01/23	The Law of Bivalence
3.	01/30	Many-Valued Logics, I: Fundamentals
4.	02/06	Many-Valued Logics, II: Developments
5.	02/13	Many-Valued Logics, III: Applications
		First midterm
6.	02/20	Supervaluationism
7.	02/27	Free Logics, I: Fundamentals
8.	03/06	Free Logics, II: Developments
	03/13	*Spring Break*
9.	03/20	The Law of Non-Contradiction
		Second midterm
10.	03/27	Paraconsistent Logics, I: Adjunctive Theories
11.	04/03	Paraconsistent Logics, II: Non-Adjunctive Theories
12.	04/10	Constructivism and Intuitionistic Logic
13.	04/17	Relevant, Linear, and Non-Monotonic Logics
14.	04/24	Other Topics and Concluding Remarks
		Final examination