Sabancı University
SPRING 2023

PHIL 321
SYMBOLIC LOGIC

Instructor: Elif Yavnık
Wednesday 15.40-17.30   Sabancı Business School G041
Thursday 13.40-14.30   Sabancı Business School G041
email: eyavnik@sabanciuniv.edu

ONLINE ZOOM LINK: https://sabanciuniv.zoom.us/j/91219261832

Office hours: by appointment

*Please note that this syllabus is tentative and subject to change.
* We may have to revise the course plan according to the reassessment to be made country-wide, regarding higher education, at the beginning of April. The content to be delivered is certain but the method of course delivery, the number and dates of exams, and some other details are subject to change.

Course Description

This course aims to provide a basic but detailed introduction to Symbolic Logic. We will begin the semester by discussing the benefits of studying Logic. Our first task will be to learn its vocabulary. It will be to your advantage to learn this vocabulary well at the beginning, as it will make it much easier for you to follow the course. The majority of the course time will be allocated to Propositional Logic. We will acquire the skills for constructing Truth Tables and Truth Trees, and for making Derivations in Propositional Logic. We will then have a small part of the course devoted to Critical Thinking where we will learn to apply our Logic background to processes of reasoning.

Course Requirements and Grading

Attendance: 10 points
Quizzes: 25 points
Midterm: 30 points
Final: 35 points

Attendance:

This course requires studying regularly and building on acquired skills, therefore attendance is key to doing well in it.
Attendance will be taken on an hourly basis. Attendance follow-up starts at the end of the add-drop period. After 2 unexcused hours your attendance grade will fall by 1 point with

every unexcused absence. (That is to say, with 3 unexcused absences you get a 9/10, with 4 you get 8/10, etc.)
Absences for medical reasons are to be documented with a doctor's report, and acceptance of medical reports are due to instructor approval.
An absence may also count as excused in case a life situation that you need to attend arises: in such cases please email me beforehand, if possible.

In order to take a make up exam, the medical report must be submitted within 3 days after the original exam date.

Quizzes:

Quizzes will help you keep up with the material. They are meant to both make sure that you don't fall behind without realizing, and to help you acquire points in a way that is easier than the exams.

If you are absent *unexcused* for a quiz, you will not be able to make up for it. Quiz days, schedule changes, and other information will be announced in class. It is the students' responsibility to be up to date with that information in case they miss a class, by contacting either me or one of their classmates.

Point to letter grade conversion chart:

A   100-94
A-   93-90
B+   89-87
B   86-84
B-   83-80
C+   79-77
C   76-74
C-   73-70
D+   69-65
D   64-60
F   59-0

Academic Integrity

Dishonesty of any kind will not be tolerated in this course. Dishonesty includes, but is not limited to, cheating, plagiarism, fraud, and any failure to cite all materials and sources in your work. A student found guilty of such conduct will receive a grade of "F".

Anti-Discrimination Policy

The classroom will be free from all discrimination based on, including but not limited to, race, ethnicity, creed, religion, language, disability, gender, and sexual orientation. The students are expected to maintain this environment.

Special Needs

It is the policy of Sabancı University to accommodate students with special needs and disabilities. To determine accommodations and/or academic adjustments, please let us know and contact the Disabled Students Support Unit of CIAD (specialneeds@sabanciuniv.edu).

Reading and Course Schedule – The readings will be made available on SUCourse+.

N.B. The reading list and the course schedule are tentative and subject to change. Any changes will be announced in class. It is the student's responsibility to be up to date with the reading and work requirements.

WEEK 1   Introduction to the course – no reading

WEEK 2   Propositions, Arguments, and Logical Properties
                Language, Syntax, and Semantics

WEEK 3   Truth Tables

WEEK 4   Truth Tables

WEEK 5   Truth Trees

WEEK 6   Truth Trees

WEEK 7   Truth Trees

WEEK 8   Truth Trees

WEEK 9   **MIDTERM**

WEEK 10   Derivations

WEEK 11   Derivations

WEEK 12   Derivations

WEEK 13   Derivations

WEEK 14   Critical Thinking