

# DTU Course 02156 Logical Systems and Logic Programming (2021)

Week	Date	Main Topics (Prolog Programming in All Lessons)
35 #01	31/8	Course Prerequisites & Tutorial on Logical Systems and Logic Programming
36 #02	7/9	Chapter 1 - Introduction (Prolog Note)
37 #03	14/9	Chapter 2 - Propositional Logic: Formulas, Models, Tableaux
38 #04	21/9	Chapter 3 - Propositional Logic: Deductive Systems
39 #05	28/9	"Isabelle" - Propositional Logic: Sequent Calculus Verifier (SeCaV)
40 #06	5/10	Chapter 4 - Propositional Logic: Resolution
41 #07	12/10	Chapter 7 - First-Order Logic: Formulas, Models, Tableaux
42		(Autumn Vacation)
43 #08	26/10	Chapter 8 - First-Order Logic: Deductive Systems
44 #09	2/11	"Isabelle" - First-Order Logic: Sequent Calculus Verifier (SeCaV)
45 #10	9/11	Chapter 9 - First-Order Logic: Terms and Normal Forms
46 #11	16/11	Chapter 10 - First-Order Logic: Resolution
47 #12	23/11	Chapter 11 - First-Order Logic: Logic Programming
48 #13	30/11	Chapter 12 - First-Order Logic: Undecidability and Model Theory & Course Evaluation

**Responsible: Associate Professor Jørgen Villadsen <jovi@dtu.dk>**

## **Assignments & Exam**

**MUST BE SOLVED INDIVIDUALLY**

**Assignment-1 Deadline Sunday 26/9 (Available Wednesday 15/9)**

**Assignment-2 Deadline Sunday 10/10 (Available Wednesday 29/9)**

**Assignment-3 Deadline Sunday 31/10 (Available Wednesday 13/10)**

**Assignment-4 Deadline Sunday 14/11 (Available Wednesday 3/11)**

**Assignment-5 Deadline Thursday 2/12 (Available Wednesday 17/11)**

**Written Exam Tuesday 14/12 (2 Hours / No Computer / All Notes Allowed)**

**The mandatory assignments and the written exam are evaluated as a whole – even if you do well in the mandatory assignments then you still must do decent in the written exam in order to pass the course!**

**A TEACHER MUST IMMEDIATELY REPORT ANY SUSPICION OF CHEATING TO THE STUDY ADMINISTRATION FOR FURTHER ACTIONS**

## Course Evaluation

02156 Logical Systems and Logic Programming E20

17 out of 78 has answered (22%)

- |     |   |           |
|-----|---|-----------|
| 1.1 | I have learned a lot from this course   | 1.0 - 5.0 |
|     | 3.8   |           |
| 1.2 | The learning activities of the course were in line with the learning objectives of the course                 | 1.0 - 5.0 |
|     | 3.9   |           |
| 1.3 | The learning activities motivated me to work with the material  | 1.0 - 5.0 |
|     | 3.1   |           |
| 1.4 | During the course, I have had the opportunity to get feedback on my performance                               | 1.0 - 5.0 |
|     | 4.4   |           |
| 1.5 | It was generally clear what was expected of me in exercises, project work, etc.                               | 1.0 - 5.0 |
|     | 4.1   |           |
| 2.1 | 5 ECTS credits correspond to nine working hours per week - I think the time I have spent on this course is... |           |
|     | 3.0 = equal to nine working hours per week (77% of students have answered so)                                 |           |