

Course

- ELEC-A7100
- Course materials
- Your points
- Microsoft Teams
- Code Vault

This course has already ended.

ELEC-A7100 / Course materials

Tools

Tuesday, 1 June 2021, 07:00 – Friday, 31 December 2021, 20:00

- 1 Development environment
- 2 Doing the exercises
- 3 Valgrind instructions (especially relevant from module 5 onwards)
- 4 Common problems

1. Basics

Tuesday, 1 June 2021, 07:00 – Tuesday, 8 June 2021, 19:59

- 1 Foreword 2 / 2
- 2 Introduction to C-language 8 / 8
- 3 Data types and Variables 10 / 10
- 4 Functions 75 / 75
- 5 Round feedback 5 / 10

2. Input and output

Tuesday, 1 June 2021, 07:00 – Sunday, 13 June 2021, 19:59

- 1 Formatted input and output basics 5 / 5
- 2 Conditional statements 45 / 45
- 3 Loops 45 / 45
- 4 Round feedback 5 / 10

3. Pointers

Friday, 4 June 2021, 19:59 – Friday, 18 June 2021, 19:59

- 1 Pointers 10 / 10
- 2 Address arithmetics
- 3 Arrays 85 / 85
- 4 Round feedback 5 / 10

4. Strings

Friday, 18 June 2021, 19:59 – Friday, 2 July 2021, 19:59

- 1 Basics 20 / 20
- 2 Functions for string handling 30 / 30
- 3 Helpful Qualifiers and Operators
- 4 Precedence 45 / 45
- 5 Round feedback 5 / 10

5. Dynamic Memory

Friday, 25 June 2021, 19:59 – Friday, 9 July 2021, 19:59

- 1 Memory organization
- 2 Dynamic memory management
- 3 Valgrind 50 / 50
- 4 Some memory management functions 45 / 45
- 5 Round feedback 9 / 10

6. Structured Data Types

Friday, 2 July 2021, 19:59 – Friday, 16 July 2021, 19:59

- 1 Data structures 45 / 45
- 2 Abstract data types 25 / 25
- 3 Linked list 25 / 25
- 4 Round feedback 10 / 10

7. Multidimensional Arrays

Friday, 9 July 2021, 19:59 – Friday, 23 July 2021, 19:59

- 1 More structured data types 10 / 10
- 2 Multidimensional arrays 40 / 40
- 3 Command line arguments 45 / 45
- 4 Round feedback 5 / 5

8. Binary Operations

Friday, 16 July 2021, 19:59 – Friday, 30 July 2021, 19:59

- 1 Binary system 5 / 5
- 2 Bitwise operators 20 / 20
- 3 Bitmasks 70 / 70
- 4 Round feedback 5 / 5

9. I/O Streams

Friday, 23 July 2021, 19:59 – Friday, 6 August 2021, 19:59

- 1 I/O - streams
- 2 I/O-stream open and close
- 3 Read and Write operations 20 / 20
- 4 Additional I/O stream handling functions 75 / 75
- 5 Round feedback 5 / 5

10. Advanced Features

Friday, 30 July 2021, 19:59 – Friday, 13 August 2021, 19:59

- 1 Preprocessor 20 / 20
- 2 Variable length argument lists 25 / 25
- 3 Function pointers 50 / 50
- 4 Round feedback 5 / 5

Programming Project

Monday, 9 August 2021, 07:59 – Friday, 27 August 2021, 19:59

- 1 Instructions & Task Assignment 10 / 10

Example Exam

Sunday, 1 August 2021, 07:59 – Tuesday, 31 August 2021, 23:59

- 1 Example Exam 0 / 0

Exam

Monday, 30 August 2021, 09:59 – Monday, 30 August 2021, 16:59

- 1 Assigned Questions

December 2021 Retake Exam

Tuesday, 7 December 2021, 09:59 – Tuesday, 7 December 2021, 16:59

- 1 Assigned Questions

questionnaire

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