

Course Calendar
Programming and Data Structures (CS 10001)
Spring-2017 Semester

Section 4 and 5

Slot: E

Timing: Wednesday: 12:00-12:55
 Thursday: 11:00-11:55
 Friday: 09:00-09:55

Class Room: NR 121

Class and Test schedule

| Sl. No. | Date | Topics |
|--|------------|--|
| 1. | 05.01.2017 | Class Begin. Course Plan (00) , Introduction to Digital Computer and C Programming (01) |
| 2. | 06.01.2017 | |
| 3. | 11.01.2017 | Data types, Variables, Operators, Expressions (02) |
| 4. | 12.01.2017 | |
| 5. | 13.01.2017 | Decision, Iterations, Flowchart (03) |
| 6. | 18.01.2017 | |
| 7. | 19.01.2017 | Arrays, String, Functions (04) |
| | 20.01.2017 | Spring Fest |
| 8. | 25.01.2017 | Recursion (05) |
| | 26.01.2017 | Republic Day |
| | 27.01.2017 | Kshitij |
| 9. | 01.02.2017 | Pointers, Parameter passing (06) |
| 10. | 02.02.2017 | |
| 11. | 03.02.2017 | Memory allocation: Static and Dynamic allocation (07) |
| 12. | 08.02.2017 | |
| 13. | 09.02.2017 | Doubt clearance and revision |
| 14. | 10.02.2017 | Practice problems for Mid-Spring Semester Test |
| Spring Mid-Semester Test: 13.02.2017—21.02.2017 | | |
| 15. | 01.03.2017 | Linked Lists (08) |
| 16. | 02.03.2017 | |
| 17. | 03.03.2017 | 2D Arrays and dynamic memory allocation (09) |
| 18. | 08.03.2017 | |
| 19. | 09.03.2017 | Sorting algorithms I (10) |
| 20. | 10.03.2017 | |
| 21. | 15.03.2017 | Sorting algorithms II (10) |
| 22. | 16.03.2017 | |
| 23. | 17.03.2017 | Searching algorithms (11) |
| 24. | 22.03.2017 | |
| 25. | 23.03.2017 | Structure and Abstract data type (12) |
| 26. | 29.03.2017 | |
| 27. | 30.03.2017 | Stacks and Queue (13) |

| | | |
|--|------------|---|
| 28. | 31.03.2017 | |
| 29. | 05.04.2017 | Tree and Graph (14) |
| 30. | 06.04.2017 | |
| 31. | 07.04.2017 | File handling and command line arguments (15) |
| 32. | 12.04.2017 | |
| 33. | 13.04.2017 | Practice problems for End-Semester test Class End. |
| | 14.04.2017 | Good Friday |
| | 19.04.2017 | Class will remain suspended |
| Spring End-Semester Test: 20.04.2017—28.04.2017 | | |

Important dates*:

| | | | |
|--------------------|------------|---------------------|------------|
| Class Test I: | 02.02.2017 | Result declaration: | 09.02.2017 |
| Mid-Semester test: | 23.02.2017 | Result declaration: | 01.03.2017 |
| Class Test II: | 15.03.2017 | Result declaration: | 22.03.2017 |
| End-Semester test: | 28.04.2017 | Result declaration: | 05.05.2017 |

Grade Submission: 09.05.2017

*Note: All dates are tentative

Course Instructor

Dr. Debasis Samanta

Associate Professor

Department of Computer Science & Engineering
Indian Institute of Technology Kharagpur

e-mail: dsamanta@iitkgp.ac.in

Phone: +91 3222 282334

Web-page: www.nid.iitkgp.ernet.in/DSamanta/

Teaching Assistants

S. R. Sreeja (getsreeja@gmail.com)

Anushri Saha (anusahaa2z@gmail.com)

Baljeet Singh Cheema (baljeet_singh_cheema@yahoo.com)

Anoop A. (anoopasokan22@gmail.com)

Prasen Kumar Sarma (prasenkrsharma@gmail.com)