

| FACULTY OF ENGINEERING                          |                                                                                                                                                                                                                                                                 |             |             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                 |             |             |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                                                                                                                                                 |             |             |
| <b>COURSE CODE AND NAME</b>                     | CSE 212 Principles of Programming Languages                                                                                                                                                                                                                     |             |             |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Omid Sharifi, <a href="mailto:omid.sharifi@toros.edu.tr">omid.sharifi@toros.edu.tr</a>                                                                                                                                                          |             |             |
| <b>EXPLANATIONS</b>                             | All Lecturer notes and materials of this course will be shared through <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a> website and course whatsapp group. Additionally, for some chapters recorded videos will be provided in case of necessity. |             |             |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a>                                                                                                                                                 |             |             |
| <b>COURSE TOPICS AND WEEKLY PROGRAM</b>         |                                                                                                                                                                                                                                                                 | <b>Date</b> | <b>Time</b> |
| <b>TOPICS</b>                                   | Ch. 4 Lexical and Syntax Analysis                                                                                                                                                                                                                               |             |             |
|                                                 | Ch. 5 Names, Bindings, Type Checking, Scopes                                                                                                                                                                                                                    |             |             |
|                                                 | Ch. 6 Data Types                                                                                                                                                                                                                                                |             |             |
|                                                 | Ch. 7 Expressions and Assignment Statements                                                                                                                                                                                                                     |             |             |
|                                                 | Ch. 8 Control Structures                                                                                                                                                                                                                                        |             |             |
|                                                 | Ch. 9 Subprograms Ch. 10 Implementing Subprograms                                                                                                                                                                                                               |             |             |
|                                                 | Ch. 11 Abstract Data Types and Encapsulation Concepts Ch.12 Support for Object-Oriented Programming                                                                                                                                                             |             |             |
| <b>COURSE RESOURCES</b>                         | SEBESTA, Robert W.: Concepts of Programming Languages, 11th Edition, PEARSON INDIA; 11th edition (2019) ISBN: 9353438896.                                                                                                                                       |             |             |
|                                                 |                                                                                                                                                                                                                                                                 |             |             |
|                                                 |                                                                                                                                                                                                                                                                 |             |             |
|                                                 |                                                                                                                                                                                                                                                                 | <b>Date</b> | <b>Time</b> |
| <b>ADVISOR HOURS</b>                            | All questions and problems related to the course can be considered through related course online system and Whatsapp group.                                                                                                                                     |             |             |
| <b>OTHER EXPLANATIONS</b>                       | Course assignments will be done individually at home every week and the result of assignment will be sent to the related course assistant.                                                                                                                      |             |             |
| <b>EXAMS</b>                                    | Students will be informed about midterm/final exam dates.                                                                                                                                                                                                       |             |             |

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| <b>FACULTY OF ENGINEERING</b>                          |                                                                                                                                       |             |             |
| <b>DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING</b> |                                                                                                                                       |             |             |
| <b>YEAR 2 (4TH SEMESTER)</b>                           |                                                                                                                                       |             |             |
| <b>COURSE CODE AND NAME</b>                            | CSE 220 Data Structures and Algorithms                                                                                                |             |             |
| <b>INSTRUCTOR</b>                                      | Asst. Prof. Dr. Maryam Eskandari, maryam.eskandari@toros.edu.tr                                                                       |             |             |
| <b>EXPLANATIONS</b>                                    | All Lecturer notes and materials of this course will be shared through dokuman.toros.edu.tr website.                                  |             |             |
| <b>METHOD OF THE COURSE</b>                            | Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr                                                                 |             |             |
| <b>COURSE TOPICS AND WEEKLY PROGRAM</b>                |                                                                                                                                       |             | <b>Date</b> |
| <b>TOPICS</b>                                          | Week 9. Stacks                                                                                                                        |             |             |
|                                                        | Week 10. Stacks                                                                                                                       |             |             |
|                                                        | Week 11. Stacks                                                                                                                       |             |             |
|                                                        | Week 12. Queues                                                                                                                       |             |             |
|                                                        | Week 13. Linked Lists                                                                                                                 |             |             |
|                                                        | Week 14. Trees                                                                                                                        |             |             |
| <b>COURSE RESOURCES</b>                                |                                                                                                                                       |             |             |
|                                                        |                                                                                                                                       |             |             |
|                                                        |                                                                                                                                       |             |             |
|                                                        |                                                                                                                                       | <b>Date</b> | <b>Time</b> |
| <b>ADVISOR HOURS</b>                                   | All questions and problems related to the course will be considered through instructor email address.                                 |             |             |
| <b>OTHER EXPLANATIONS</b>                              | Lab works will be done individually at home every week and the result of Lab assignment will be sent to the related course assistant. |             |             |
| <b>EXAMS</b>                                           | Students will be informed about midterm/final exams, homeworks and Lab works dates.                                                   |             |             |

| FACULTY OF ENGINEERING                          |                                                                                                                                                                                                                                                                                                                                     |      |      |
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| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                                                                                     |      |      |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                                                                                                                                                                                                                     |      |      |
| <b>COURSE CODE AND NAME</b>                     | CSE224 - Python Programming Language                                                                                                                                                                                                                                                                                                |      |      |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Mehmet Ali AKTAŞ; mehmet.aktas@toros.edu.tr                                                                                                                                                                                                                                                                         |      |      |
| <b>EXPLANATIONS</b>                             | The remaining weeks (9-14) of the course will be remote education. Because of theoretical courses are already done, this course will proceed with weekly projects. Course materials will be uploaded to both dokuman.toros.edu.tr.                                                                                                  |      |      |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr                                                                                                                                                                                                                                                               |      |      |
| COURSE TOPICS AND WEEKLY SCHEDULE               |                                                                                                                                                                                                                                                                                                                                     | Date | Time |
| <b>TOPICS</b>                                   | 9. Week : Functions                                                                                                                                                                                                                                                                                                                 |      |      |
|                                                 | 10. Week : Classes                                                                                                                                                                                                                                                                                                                  |      |      |
|                                                 | 11. Week : Files and Exceptions                                                                                                                                                                                                                                                                                                     |      |      |
|                                                 | 12. Week : Project                                                                                                                                                                                                                                                                                                                  |      |      |
|                                                 | 13. Week : Project                                                                                                                                                                                                                                                                                                                  |      |      |
|                                                 | 14. Week : Project                                                                                                                                                                                                                                                                                                                  |      |      |
| <b>COURSE RESOURCES</b>                         | Course materials and videos. Additionally, any books, tutorials, educational videos, etc.                                                                                                                                                                                                                                           |      |      |
|                                                 |                                                                                                                                                                                                                                                                                                                                     | Date | Time |
| <b>ADVISOR HOURS</b>                            | No advisory hours will be held due to coronavirus precautions. Students need to send email or use other communication ways to ask about their questions.                                                                                                                                                                            |      |      |
| <b>OTHER EXPLANATIONS</b>                       | The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents. |      |      |
| <b>EXAMS</b>                                    | The date of final project delivery will be announced later.                                                                                                                                                                                                                                                                         |      |      |

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| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                          |      |      |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                                                          |      |      |
| <b>COURSE CODE AND NAME</b>                     | CSE 232 Software Laboratory                                                                                                                                              |      |      |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Omid Sharifi, <a href="mailto:omid.sharifi@toros.edu.tr">omid.sharifi@toros.edu.tr</a>                                                                   |      |      |
| <b>EXPLANATIONS</b>                             | All Lecturer notes and materials of this course will be shared through <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a> website and course whatsapp group. |      |      |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a>                                                          |      |      |
| COURSE TOPICS AND WEEKLY PROGRAM                |                                                                                                                                                                          | Date | Time |
| <b>TOPICS</b>                                   | week 8: Designing the schema of assigned project                                                                                                                         |      |      |
|                                                 | week 9: Designing the schema of assigned project (continued)                                                                                                             |      |      |
|                                                 | week 10: Designing database schema                                                                                                                                       |      |      |
|                                                 | week 11: Designing database schema (continued)                                                                                                                           |      |      |
|                                                 | week 12: Project development                                                                                                                                             |      |      |
|                                                 | week 13: Project submission                                                                                                                                              |      |      |
| <b>COURSE RESOURCES</b>                         | Pressman, Software Engineering, 8th ed., McGraw-Hill, 2015.                                                                                                              |      |      |
|                                                 |                                                                                                                                                                          |      |      |
|                                                 |                                                                                                                                                                          |      |      |
|                                                 |                                                                                                                                                                          | Date | Time |
| <b>ADVISOR HOURS</b>                            | All questions and problems related to the course can be considered through related course online system and Whatsapp group.                                              |      |      |
| <b>OTHER EXPLANATIONS</b>                       | Course assignments will be done individually at home every week and the result of assignment will be sent to the related course assistant.                               |      |      |
| <b>EXAMS</b>                                    | Students will be informed about project presentationdate.                                                                                                                |      |      |

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| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                       |             |             |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                       |             |             |
| <b>COURSE CODE AND NAME</b>                     | CSE203 Web Programming 2                                                                                                              |             |             |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Maryam Eskandari, maryam.eskandari@toros.edu.tr                                                                       |             |             |
| <b>EXPLANATIONS</b>                             | All Lecturer notes and materials of this course will be shared through dokuman.toros.edu.tr website.                                  |             |             |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr                                                                 |             |             |
| <b>COURSE TOPICS AND WEEKLY PROGRAM</b>         |                                                                                                                                       | <b>Date</b> | <b>Hour</b> |
| <b>TOPICS</b>                                   | Week 9. PHP, MySQL - Select                                                                                                           |             |             |
|                                                 | Week 10. PHP, MySQL - Insert                                                                                                          |             |             |
|                                                 | Week 11. Project-First page of Term project file                                                                                      |             |             |
|                                                 | Week 12. PHP, MySQL - Update                                                                                                          |             |             |
|                                                 | Week 13. Project-Page 2 and 3 of Term project file                                                                                    |             |             |
|                                                 | Week 14. Project-Page 4 and 5 of Term project file - Project Submiss7ion date will be announced through website.                      |             |             |
| <b>COURSE RESOURCES</b>                         | Learning PHP, MySQL, and JavaScript by Robin Nixon.                                                                                   |             |             |
|                                                 |                                                                                                                                       |             |             |
|                                                 |                                                                                                                                       |             |             |
|                                                 |                                                                                                                                       | <b>Date</b> | <b>Hour</b> |
| <b>ADVISOR HOURS</b>                            | All questions and problems related to the course will be considered through instructor email address.                                 |             |             |
| <b>OTHER EXPLANATIONS</b>                       | Lab works will be done individually at home every week and the result of Lab assignment will be sent to the related course assistant. |             |             |
| <b>EXAMS</b>                                    | Students will be informed about midterm/final exams, homeworks and Lab works dates.                                                   |             |             |

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| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                 |      |      |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                                                                                                                                                 |      |      |
| <b>COURSE CODE AND NAME</b>                     | CSE214 Analysis of Algorithms                                                                                                                                                                                                                                   |      |      |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Omid Sharifi, <a href="mailto:omid.sharifi@toros.edu.tr">omid.sharifi@toros.edu.tr</a>                                                                                                                                                          |      |      |
| <b>EXPLANATIONS</b>                             | All Lecturer notes and materials of this course will be shared through <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a> website and course whatsapp group. Additionally, for some chapters recorded videos will be provided in case of necessity. |      |      |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), <a href="http://dokuman.toros.edu.tr">dokuman.toros.edu.tr</a>                                                                                                                                                 |      |      |
| COURSE TOPICS AND WEEKLY PROGRAM                |                                                                                                                                                                                                                                                                 | Date | Time |
| <b>TOPICS</b>                                   | week 8: Study of recursive algorithms and associated recurrence relations (substitution method, iteration method, master method, recursion trees).                                                                                                              |      |      |
|                                                 | Week 9: substitution method, iteration method, master method, recursion trees (continued)                                                                                                                                                                       |      |      |
|                                                 | week 10: Brute-Force (Exhaustive Search), Divide-and-Conquer (Merge Sort, Binary Search Tree).                                                                                                                                                                  |      |      |
|                                                 | week 11: Dynamic Programming (Matrix-Chain Multiplication, LCS-length, 0-1 Knapsack Problem).                                                                                                                                                                   |      |      |
|                                                 | week 12: Greedy algorithms (Greedy Activity Selector, Fractional Knapsack Problem).                                                                                                                                                                             |      |      |
|                                                 | week 13: Graph Algorithms: Representation of sets and graphs. Breadth-first search, depth-first search.                                                                                                                                                         |      |      |
| <b>COURSE RESOURCES</b>                         | Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, "Introduction to ALGORITHMS", MIT Press.                                                                                                                                                              |      |      |
|                                                 |                                                                                                                                                                                                                                                                 |      |      |
|                                                 |                                                                                                                                                                                                                                                                 |      |      |
|                                                 |                                                                                                                                                                                                                                                                 | Date | Time |
| <b>ADVISOR HOURS</b>                            | All questions and problems related to the course can be considered through related course online system and Whatsapp group.                                                                                                                                     |      |      |
| <b>OTHER EXPLANATIONS</b>                       | Course assignments will be done individually at home every week and the result of assignment will be sent to the related course assistant.                                                                                                                      |      |      |
| <b>EXAMS</b>                                    | Students will be informed about midterm/final exam dates.                                                                                                                                                                                                       |      |      |

| FACULTY OF ENGINEERING                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |
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| DEPARTMENT OF INDUSTRIAL / ELECTRICAL & ELECTRONIC / COMPUTER & SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |
| YEAR 2 (4TH SEMESTER)                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |
| <b>COURSE CODE AND NAME</b>                                                          | FLE 202 English IV                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |
| <b>INSTRUCTOR</b>                                                                    | Özgür B. Sandal, ozgur.sandal@toros.edu.tr                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |
| <b>EXPLANATIONS</b>                                                                  | This is a theoretical course with 3 hours per week. It will be taken as distance education. The students can study and work on the below given topics through the videos and related materials uploaded in the distance education system.                                                                                                                                                                                                                            |      |      |
| <b>METHOD OF THE COURSE</b>                                                          | Toros University Distance Education Unit, dokuman.toros.edu.tr                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |
| COURSE TOPICS AND WEEKLY SCHEDULE                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date | Time |
| <b>TOPICS</b>                                                                        | 1. Unit 11 - Heat                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |
|                                                                                      | 2. Unit 12 - Light and Sound                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |
|                                                                                      | 3. Unit 13 - Manufacturing                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |
|                                                                                      | 4. Unit 14 - Codes and Standards                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |
|                                                                                      | 5. Unit 15 - Helping to Save the Planet                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |
|                                                                                      | 6. Presentations*                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |
| <b>COURSE RESOURCES</b>                                                              | Engineering 1, Oxford English for Careers, Peter Astley and Lewis Lansford.                                                                                                                                                                                                                                                                                                                                                                                          |      |      |
|                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date | Time |
| <b>ADVISOR HOURS</b>                                                                 | The students can contact the instructor of the course during their regular weekly class hours via Google Hangouts, and they can ask her questions about the course and get answers. **The weekly assignments/homeworks will be sent to the instructor via email. *** The presentation video and powerpoint file will be sent to the instructor via " WeTransfer". For further questions you can always contact your instructor via email (ozgur.sandal@toros.edu.tr) |      |      |
| <b>OTHER EXPLANATIONS</b>                                                            | * The presentation video and powerpoint file must be sent to the instructor via WeTransfer in the 6th week. Necessary explanations are given in the 6th week video. ** The weekly assignments will be assessed and graded by the instructor. ***You can find information about WeTransfer on Google or you can click <a href="https://wetransfer.com/">https://wetransfer.com/</a>                                                                                   |      |      |
| <b>EXAMS</b>                                                                         | The midterm and final exam dates will be announced later.                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |

| FACULTY OF ENGINEERING               |                                                                                                                                           |        |               |
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| DEPARTMENT OF INDUSTRIAL ENGINEERING |                                                                                                                                           |        |               |
| YEAR 2 (FOURTH SEMESTER)             |                                                                                                                                           |        |               |
| <b>COURSE CODE AND NAME</b>          | ISG202 Occupational Health and Safety                                                                                                     |        |               |
| <b>INSTRUCTOR</b>                    | Prof.Dr.Yusuf ZEREN - yusuf.zeren@toros.edu.tr                                                                                            |        |               |
| <b>EXPLANATIONS</b>                  | The theoretical time of this course will be taken 2 hours weekly as distance education. Students will follow the courses from the slides. |        |               |
| <b>METHOD OF THE COURSE</b>          | Toros University Distance Education Unit, dokuman.toros.edu.tr                                                                            |        |               |
| COURSE TOPICS AND WEEKLY PROGRAM     |                                                                                                                                           | Date   | Time          |
| <b>TOPICS</b>                        | Week9 - PRESSURE HAZARDS, ELECTRICAL HAZARDS (Pages 151-169)                                                                              |        |               |
|                                      | Week10 - ELECTRICAL HAZARDS, FIRE HAZARDS AND LIFE SAFETY (Pages 170-189)                                                                 |        |               |
|                                      | Week11 - FIRE HAZARDS AND LIFE SAFETY (Pages 190-205)                                                                                     |        |               |
|                                      | Week12 - RADIATION HAZARDS (Pages 206-255)                                                                                                |        |               |
|                                      | Week13 - RADIATION HAZARDS, NOISE HAZARDS (Pages 226-244)                                                                                 |        |               |
|                                      | Week14 - NOISE HAZARDS, VIBRATION HAZARDS, HAZARD ANALYSIS/PREVENTION AND SAFETY MANAGEMENT (Pages 245-276)                               |        |               |
| <b>COURSE RESOURCES</b>              | Related PDF files.                                                                                                                        |        |               |
|                                      |                                                                                                                                           | Date   | Time          |
| <b>ADVISOR HOURS</b>                 |                                                                                                                                           | Monday | 10:10 - 12:00 |
| <b>OTHER EXPLANATIONS</b>            | For consultancy, you may send an e-mail to yusuf.zeren@toros.edu.tr                                                                       |        |               |
| <b>EXAMS</b>                         | Course's midterm and final exams will be announced.                                                                                       |        |               |

| FACULTY OF ENGINEERING                                      |                                                                                                                                           |      |      |
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| DEPARTMENT OF INDUSTRIAL, COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                           |      |      |
| YEAR 2(FOURTH SEMESTER)                                     |                                                                                                                                           |      |      |
| <b>COURSE CODE AND NAME</b>                                 | MAT204 Discrete Mathematics                                                                                                               |      |      |
| <b>INSTRUCTOR</b>                                           | Asst. Prof. Ziya G. ALTUN - ziya.altun@toros.edu.tr                                                                                       |      |      |
| <b>EXPLANATIONS</b>                                         | The theoretical time of this course will be taken 3 hours weekly as distance education. Students will follow the courses from the slides. |      |      |
| <b>METHOD OF THE COURSE</b>                                 | Toros University Distance Education Unit, dokuman.toros.edu.tr                                                                            |      |      |
| COURSE TOPICS AND WEEKLY PROGRAM                            |                                                                                                                                           |      |      |
|                                                             |                                                                                                                                           |      | Date |
|                                                             |                                                                                                                                           |      | Time |
| <b>TOPICS</b>                                               | Week9 - PROBABILITY                                                                                                                       |      |      |
|                                                             | Week10 - PROBABILITY                                                                                                                      |      |      |
|                                                             | Week11 - PROBABILITY                                                                                                                      |      |      |
|                                                             | Week12 - GRAPH THEORY                                                                                                                     |      |      |
|                                                             | Week13 - GRAPH THEORY                                                                                                                     |      |      |
|                                                             | Week14 - GRAPH THEORY                                                                                                                     |      |      |
| <b>COURSE RESOURCES</b>                                     | Related files.                                                                                                                            |      |      |
|                                                             |                                                                                                                                           | Date | Time |
| <b>ADVISOR HOURS</b>                                        |                                                                                                                                           |      |      |
| <b>OTHER EXPLANATIONS</b>                                   | For consultancy, you may send an e-mail to ziya.altun@toros.edu.tr                                                                        |      |      |
| <b>EXAMS</b>                                                | Course's midterm and final exams will be announced.                                                                                       |      |      |

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| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                                                                                     |      |      |
| YEAR 2 (4TH SEMESTER)                           |                                                                                                                                                                                                                                                                                                                                     |      |      |
| <b>COURSE CODE AND NAME</b>                     | MAT202 / MAT204 Probability and Statistics for Engineers                                                                                                                                                                                                                                                                            |      |      |
| <b>INSTRUCTOR</b>                               | Prof. Dr. Adnan MAZMANOĞLU; adnan.mazmanoglu@toros.edu.tr                                                                                                                                                                                                                                                                           |      |      |
| <b>EXPLANATIONS</b>                             | The theoretical hour of this course will be 3 hours per week as distance education. Students can watch the lesson asynchronously (with video recording). In both cases, they will be able to access the lecture notes in a virtual devices.                                                                                         |      |      |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr                                                                                                                                                                                                                                                               |      |      |
| COURSE TOPICS AND WEEKLY SCHEDULE               |                                                                                                                                                                                                                                                                                                                                     | Date | Time |
| <b>TOPICS</b>                                   | 9.Week : The Notion and Axioms of Probability and Total Probability (3 hours)                                                                                                                                                                                                                                                       |      |      |
|                                                 | 10. Week : Independent Events and their applications (from problem 1.53 to 1.63) (3 hours)                                                                                                                                                                                                                                          |      |      |
|                                                 | 11. Week : Supplementary Problems (from problem 1.64 to 1.82) (3 hours)                                                                                                                                                                                                                                                             |      |      |
|                                                 | 12. Week : Random Variables- Distribution Functons (3 hours)                                                                                                                                                                                                                                                                        |      |      |
|                                                 | 13. Week : Discrete Random Variables and Probability Density Functions with their applications. (3 hours)                                                                                                                                                                                                                           |      |      |
|                                                 | 14.Week: Mean and Variance, Moment and some special distributions. (3 hours)                                                                                                                                                                                                                                                        |      |      |
| <b>COURSE RESOURCES</b>                         | 1. Adnan Mazmanoğlu, Temel Olasılık Dersleri & BASIC IDEAS OF PROBABILITY VE BİYOİSTATİSTİKTE OLASILIK HESABI, Hiper Yayın, 2018                                                                                                                                                                                                    |      |      |
|                                                 | 2. HWEI P. HSU, PROBABILITY, RANDOM VARIABLES, AND RANDOM PROCESS,McGraw-HillCompanies, 1997                                                                                                                                                                                                                                        |      |      |
|                                                 | 3. SEYMOUR LIPSCHUTZ(Çeviri : H. Kutluk ÖZGÜN), OLASILIK, NOBEL YAYIN DAĞITIM, 1990                                                                                                                                                                                                                                                 |      |      |
|                                                 |                                                                                                                                                                                                                                                                                                                                     | Date | Time |
| <b>ADVISOR HOURS</b>                            | Students will be given the necessary questions and explanations via e-mail.                                                                                                                                                                                                                                                         |      |      |
| <b>OTHER EXPLANATIONS</b>                       | The courses will be offered through an interface called "YÖK Courses" (Higher Education Institutions Courses). Since the digital course materials of other universities will be added to this pool by YÖK, you will decide which course you will take by distance learning by matching the appropriate courses with their contents. |      |      |
| <b>EXAMS</b>                                    | The dates of midterm and final exams will be announced separately.                                                                                                                                                                                                                                                                  |      |      |

| FACULTY OF ENGINEERING                          |                                                                                                                                                                                                                                                                                            |      |      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|
| DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING |                                                                                                                                                                                                                                                                                            |      |      |
| YEAR 2 (4th SEMESTER)                           |                                                                                                                                                                                                                                                                                            |      |      |
| <b>COURSE CODE AND NAME</b>                     | SRE202 - Social Responsibility and Ethics                                                                                                                                                                                                                                                  |      |      |
| <b>INSTRUCTOR</b>                               | Asst. Prof. Dr. Mehmet Ali AKTAŞ; mehmet.aktas@toros.edu.tr                                                                                                                                                                                                                                |      |      |
| <b>EXPLANATIONS</b>                             | The theoretical hour of this course is 1 and The application hour of this course is 2. The theoretical part of the course has been completed.                                                                                                                                              |      |      |
| <b>METHOD OF THE COURSE</b>                     | Toros University Distance Education Unit (UZEM), dokuman.toros.edu.tr                                                                                                                                                                                                                      |      |      |
| COURSE TOPICS AND WEEKLY PROGRAM                |                                                                                                                                                                                                                                                                                            | Date | Time |
| <b>TOPICS</b>                                   | Week 9. Social responsibility project                                                                                                                                                                                                                                                      |      |      |
|                                                 | Week 10. Social responsibility project                                                                                                                                                                                                                                                     |      |      |
|                                                 | Week 11. Social responsibility project                                                                                                                                                                                                                                                     |      |      |
|                                                 | Week 12. Social responsibility project                                                                                                                                                                                                                                                     |      |      |
|                                                 | Week 13. Social responsibility project                                                                                                                                                                                                                                                     |      |      |
|                                                 | Week 14. Social responsibility project                                                                                                                                                                                                                                                     |      |      |
| <b>COURSE RESOURCES</b>                         |                                                                                                                                                                                                                                                                                            |      |      |
|                                                 |                                                                                                                                                                                                                                                                                            | Date | Time |
| <b>ADVISOR HOURS</b>                            | The theoretical part of the course is finished. In the remaining hours, the course will continue with the project to be given to the students and the follow-up of these projects. Students' counseling will be through questions to be made through e-mail and video conference programs. |      |      |
| <b>OTHER EXPLANATIONS</b>                       |                                                                                                                                                                                                                                                                                            |      |      |
| <b>EXAMS</b>                                    | Midterm exams and final date of this course will be announced separately.                                                                                                                                                                                                                  |      |      |