



## YAKIN DOĞU ÜNİVERSİTESİ DIŞA AÇIK DERSLER KOORDİNATÖRLÜĞÜ

Okul/Fakülte: MÜHENDİSLİK FAKÜLTESİ

Bölüm/Program: GIDA MÜHENDİSLİĞİ - İNGİLİZCE

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
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| <b>Ders Dili:</b>               | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Ders Kodu:</b>               | FCOM132 |
| <b>Ders Türkçe İsmi:</b>        | INT. TO COMP. & PROG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |         |
| <b>Ders İngilizce İsmi:</b>     | INT. TO COMP. & PROG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |         |
| <b>Dersi Verecek:</b>           | Öğrt. Gör Buğra DEMİRCİOĞLU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |         |
| <b>Dersin Türü:</b>             | ZORUNLU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Dersin Seviyesi:</b>         | LİSANS  |
| <b>Yıl</b>                      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Semester</b>                 | 2       |
| <b>Ders Kredisi:</b>            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>AKTS Kredisi:</b>            | 3       |
| <b>Teori(saat/hafta):</b>       | 3,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Uygulama(saat/hafta):</b>    | 0,00    |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Laboratuvar(saat/hafta):</b> | 1,00    |
| <b>Dersin İçeriği:</b>          | 1.To provide knowledge and basic skill of programming, using a programming language<br>To give the fundamental organization of the computers<br>2.To build skill in analyzing problems, designing solutions (algorithm), developing interfaces and coding the algorithms using a programming language<br>3.To provide understanding of data types and variables, relational-logical operators and functions, and practicing their use in mathematical expressions and statements<br>4.To provide understanding of block structures that hat make decisions and perform repetitive data processing<br>5.To build skill in modular and event-driven programming using a programming language |                                 |         |
| <b>Öğrenme Kazanımları:</b>     | At the end of this course, the student will learn to apply basic knowledge of programming to engineering problems, learn to analyze problems and design algorithm, learn to incorporate principles of programming into the solution of a problem, improve ability to develop computer programs for data analysis and processing in food engineering applications.                                                                                                                                                                                                                                                                                                                          |                                 |         |
| <b>Dersin Amaçları:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
| <b>Öğrenci İş Yükü:</b>         | Ders saatleri<br>Ara sınava hazırlık<br>Final sınavına hazırlık<br>Ödev(ler)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |         |
| <b>AKTS Formülü:</b>            | 100/30=3,3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |         |
| <b>Kaynaklar:</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
| <b>Değerlendirme:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
| <b>İşe Yerleştirme(Staj):</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
| <b>Ön Koşul Ders Kodları:</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |         |
| <b>1. Hafta (19 – 23 Eylül)</b> | Introduction to programming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |         |
| <b>2. Hafta (26 – 30 Eylül)</b> | Problem solving and algorithm design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |         |
| <b>3. Hafta (3 – 7 Ekim)</b>    | Programming languages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |         |
| <b>4. Hafta (10 – 14 Ekim)</b>  | Data types and variables, definition of variables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |         |
| <b>5. Hafta (17 – 21 Ekim)</b>  | Relational and logical operators, mathematical functions, their applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |         |
| <b>6. Hafta (24 – 28 Ekim)</b>  | Use of mathematical expressions and statements in computer programming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |         |
| <b>7. Hafta (31 - 4 Kasım)</b>  | Decision blocks, their applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |         |
| <b>8. Hafta (7 - 11 Kasım)</b>  | Midterm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |         |

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| <b>9. Hafta (14 – 18 Kasım)</b>   | Loop blocks, their applications                                 |
| <b>10. Hafta (21 – 25 Kasım)</b>  | Data lists and analysis, general statistical operations         |
| <b>11. Hafta (28 - 2 Aralık)</b>  | Data analysis, curve-fitting applications                       |
| <b>12. Hafta (5 – 9 Aralık)</b>   | Mathematical operations, numerical integration applications     |
| <b>13. Hafta (12 -16 Aralık)</b>  | Mathematical operations, numerical differentiation applications |
| <b>14. Hafta (19 - 23 Aralık)</b> | Creating coordinates and data graphics                          |
| <b>15. Hafta (24 – 30 Aralık)</b> | FİNAL SINAVLARI HAFTASI                                         |
| <b>16. Hafta</b>                  |                                                                 |
| <b>17. Hafta</b>                  |                                                                 |
| <b>18. Hafta</b>                  |                                                                 |
| <b>19. Hafta</b>                  |                                                                 |
| <b>20. Hafta</b>                  |                                                                 |
| <b>21. Hafta</b>                  |                                                                 |
| <b>22. Hafta</b>                  |                                                                 |
| <b>23. Hafta</b>                  |                                                                 |
| <b>24. Hafta</b>                  |                                                                 |
| <b>25. Hafta</b>                  |                                                                 |
| <b>26. Hafta</b>                  |                                                                 |
| <b>27. Hafta</b>                  |                                                                 |
| <b>28. Hafta</b>                  |                                                                 |

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