



## YAKIN DOĞU ÜNİVERSİTESİ DIŞA AÇIK DERSLER KOORDİNATÖRLÜĞÜ

Okul/Fakülte: MÜHENDİSLİK FAKÜLTESİ

Bölüm/Program: Food Engineering

Ders Dili:	English	Ders Kodu:	FCM132
Ders Türkçe İsmi:	INT. TO COMP. & PROG.		
Ders İngilizce İsmi:	INT. TO COMP. & PROG.		
Dersi Verecek:	Öğrt. Gör Buğra DEMİRCİOĞLU		
Dersin Türü:	ZORUNLU	Dersin Seviyesi:	LİSANS
Yıl	1	Semester	2
Ders Kredisi:	3	AKTS Kredisi:	3
Teori(saat/hafta):	3,00	Uygulama(saat/hafta):	0,00
Dersin İçeriği:	<p>1. To provide knowledge and basic skill of programming, using a programming languageTo give the fundamental organization of the computers</p> <p>2. To build skill in analyzing problems, designing solutions (algorithm), developing interfaces and coding the algorithms using a programming language</p> <p>3. To provide understanding of data typesand variables, relational-logical operators and functions, and practicing their use in mathematical expressions and statements</p> <p>4. To provide understanding of block structures that hat make decisions andperform repetitive data processing</p> <p>5. To build skill in modular and event-driven programming using a programming language</p>		
Öğrenme Kazanımları:	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.		
Dersin Amaçları:			
Öğrenci İş Yükü:	Ders saatleri Ara sınav hazırlık Final sınavına hazırlık Ödev(ler)		
AKTS Formülü:	100/30=3,3		
Kaynaklar:			
Değerlendirme:			
İşe Yerleştirme(Staj):	-		
Ön Koşul Ders Kodları:	-		
1. Hafta (19 – 23 Eylül)	Introduction to programming		
2. Hafta (26 – 30 Eylül)	Problem solving and algorithm design		
3. Hafta (3 – 7 Ekim)	Programming languages		
4. Hafta (10 – 14 Ekim)	Data types and variables, definition of variables		
5. Hafta (17 – 21 Ekim)	Relational and logical operators, mathematical functions, their applications		
6. Hafta (24 – 28 Ekim)	Use of mathematical expressions and statements in computer programming		
7. Hafta (31 - 4 Kasım)	Decision blocks, their applications		
8. Hafta (7 - 11 Kasım)	Midterm		

<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>	
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<b>25. Hafta</b>	
<b>26. Hafta</b>	
<b>27. Hafta</b>	
<b>28. Hafta</b>	

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