2022-2023 EĞİTİM-ÖĞRETİM YILI GÜZ YARIYILI'NDAN İTİBAREN ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI'NDA ÇAP YAPACAK ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI ÖĞRENCİLERİ İÇİN DERS PLANI

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANI			ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANI			ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANINDAKİ EŞDEĞER DERSLER			ÇAP ÖĞRENCİSİNİN ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANINDAN ALMAK ZORUNDA OLDUĞU DERSLER		
1. YARIYIL			**1. YARIYIL**			**1. YARIYIL**			**1. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE1001	**Introduction to Computing**	**6**	EE1021	Programming for Engineers	**6**				**IE1001**	**Introduction to Computing**	**6**
IE1601	**Engineering Graphics**	**5**	EE1011	Academic English for Electrical and Electronics Engineering I	**3**				**IE1601**	**Engineering Graphics**	**5**
MCB1001	**Calculus I**	**7**	MCB1001	Calculus I	**7**	MCB1001 / MCB1001	Calculus I / Calculus I	**7 / 7**			
PHY1001	**Physics I**	**7**	MCB1004	Linear Algebra	**6**	PHY1001 / PHY1001	Physics I / Physics I	**7 / 7**			
ATA1001	**Principles of Atatürk and History of Revolution I**	**2**	PHY1001	Physics I	**7**	ATA1001 / ATA1001	Principles of Atatürk and History of Reforms I / Principles of Atatürk and History of Revolution I	**2 / 2**			
TR1001	**Turkish I**	**2**	ATA1001	Principles of Atatürk and History of Reforms I	**2**	TR1001 / TR1001	Turkish I / Turkish I	**2 / 2**			
IE1702	**Academic English for Industrial Engineering I**	**3**	TR1001	Turkish I	**2**	EE1011 / IE1702	Academic English for Electrical and Electronics Engineering I / Academic English for Industrial Engineering I	**3 / 3**			
2. YARIYIL			**2. YARIYIL**			**2. YARIYIL**			**2. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE2002	**Introduction to Programming**	**5**	EE2221	Introduction to Electric Circuits	**6**	EE1021 / IE2002	Programming for Engineers / Introduction to Programming	**6 / 5**			
IE2401	**Introduction to Industrial Engineering**	**3**	EE2202	Electric Circuits Laboratory	**3**				**IE2401**	**Introduction to Industrial Engineering**	**3**
IE2602	**General Chemistry**	**5**	EE2011	Academic English for Electrical and Electronics Engineering II	**3**	EE2021 / IE2602	Chemistry / General Chemistry	**6 / 5**			
MCB1002	**Calculus II**	**7**	MCB1002	Calculus II	**7**	MCB1002 / MCB1002	Calculus II / Calculus II	**7 / 7**			
PHY2001	**Physics II**	**7**	MCB1005	Differential Equations	**6**	EE2221 / PHY2001	Introduction to Electric Circuits / Physics II	**6 / 7**			
ATA2001	**Principles of Atatürk and History of Revolution II**	**2**	EE2021	Chemistry	**6**	ATA2001 / ATA2001	Principles of Atatürk and History of Reforms II / Principles of Atatürk and History of Revolution II	**2 / 2**			
TR2001	**Turkish II**	**2**	ATA2001	Principles of Atatürk and History of Reforms II	**2**	TR2001 / TR2001	Turkish II / Turkish II	**2 / 2**			
IE2703	**Academic English for Industrial Engineering II**	**3**	TR2001	Turkish II	**2**	EE2011 / IE2703	Academic English for Electrical and Electronics Engineering II / Academic English for Industrial Engineering II	**3 / 3**			
3. YARIYIL			**3. YARIYIL**			**3. YARIYIL**			**3. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE3003	**Object Oriented Programming**	**5**	EE3221	Circuit Analysis	**6**				**IE3003**	**Object Oriented Programming**	**5**
IE3101	**Introduction to Probability**	**6**	EE3222	Logic Design	**6**				**IE3101**	**Introduction to Probability**	**6**
IE3501	**Economics**	**4**	EE3203	Logic Circuits Laboratory	**3**				**IE3501**	**Economics**	**4**
IE3502	**Financial and Cost Accounting**	**4**	EE3301	Introduction to Electromagnetics	**5**				**IE3502**	**Financial and Cost Accounting**	**4**
IE3603	**Materials Science**	**4**	EE3421	Signals and Systems	**6**	EE6023 / IE3603	Materials Science / Materials Science	**3 / 4**			
MCB1004	**Linear Algebra**	**6**	MCB1008	Numerical Methods	**6**	MCB1004 / MCB1004	Linear Algebra / Linear Algebra	**6 / 6**			
	Elective (minimum 2 AKTS)	**2**					Elective (minimum 2 AKTS) / Elective (minimum 2 AKTS)	**2 / 2**			
4. YARIYIL			**4. YARIYIL**			**4. YARIYIL**			**4. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE4004	**Numerical Analysis for Industrial Engineers**	**5**	EE4121	Introduction to Random Signals	**5**	MCB1008 / IE4004	Numerical Methods / Numerical Analysis for Industrial Engineers	**6 / 5**			
IE4102	**Statistics for Engineers**	**6**	EE4201	Electronic Circuits I	**6**				**IE4102**	**Statistics for Engineers**	**6**
IE4201	**Operations Research I**	**7**	EE4202	Electronic Circuits I Laboratory	**3**				**IE4201**	**Operations Research I**	**7**
IE4503	**Engineering Economics**	**6**	EE4321	Electromagnetic Field Theory	**6**				**IE4503**	**Engineering Economics**	**6**
	Departmental Elective (minimum 4 AKTS)	**4**	EE4401	Introduction to Telecommunication	**6**						
	Elective (minimum 2 AKTS)	**2**	EE4402	Telecommunication Laboratory	**3**		Elective (minimum 2 AKTS) / Elective (minimum 2 AKTS)	**2 / 2**			
5. YARIYIL			**5. YARIYIL**			**5. YARIYIL**			**5. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE5202	**Operations Research II**	**7**	EE5221	Electronic Circuits II	**5**				**IE5202**	**Operations Research II**	**7**
IE5403	**Facilities Design and Planning**	**7**	EE5202	Electronic Circuits II Laboratory	**3**				**IE5403**	**Facilities Design and Planning**	**7**
IE5802	**Industrial Training I**	**3**	EE5203	Microprocessors	**5**				**IE5802**	**Industrial Training I**	**3**
ENC1001	**Engineering Orientation**	**2**	EE5321	Electromagnetic Wave Theory	**5**	ENC1001 / ENC1001	Engineering Orientation / Engineering Orientation	**2 / 2**			
	Departmental Elective (minimum 13 AKTS)	**13**	EE5401	Digital Signal Processing	**5**					**Departmental Elective (minimum 12 AKTS)**	**12**
			EE5021	Industry Training I	**3**						
				Elective (minimum 2 AKTS)	**2**						
6. YARIYIL			**6. YARIYIL**			**6. YARIYIL**			**6. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE6103	**Design of Experiments**	**6**	EE6021	Technical Writing and Presentation	**4**				**IE6103**	**Design of Experiments**	**6**
IE6404	**Production Planning and Control**	**7**	EE6023	Materials Science	**3**				**IE6404**	**Production Planning and Control**	**7**
	Departmental Elective (minimum 17 AKTS)	**17**	EE6025	Electromechanical Energy Conversion	**5**					**Departmental Elective (minimum 17 AKTS)**	**17**
				Elective (minimum 2 AKTS)	**2**						
				Departmental Elective (minimum 18 AKTS)	**18**						
7. YARIYIL			**7. YARIYIL**			**7. YARIYIL**			**7. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE7203	**Simulation Modelling**	**6**	EE7021	Industry Training II	**3**				**IE7203**	**Simulation Modelling**	**6**
IE7405	**Supply Chain Management**	**5**	ENC1001	Engineering Orientation	**2**				**IE7405**	**Supply Chain Management**	**5**
IE7803	**Industrial Training II**	**3**		**Departmental Elective (minimum 24 AKTS)**	**24**				**IE7803**	**Industrial Training II**	**3**
	Departmental Elective (minimum 16 AKTS)	**16**								**Departmental Elective (minimum 16 AKTS)**	**16**
8. YARIYIL			**8. YARIYIL**			**8. YARIYIL**			**8. YARIYIL**		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE8406	**Quality Engineering**	**5**	EE0800	Graduation Project	**12**				**IE8406**	**Quality Engineering**	**5**
IE8900	**Graduation Project**	**8**		**Departmental Elective (minimum 18 AKTS)**	**18**				**IE8900**	**Graduation Project**	**8**
	Departmental Elective (minimum 17 AKTS)	**17**								**Departmental Elective (minimum 17 AKTS)**	**17**
	TOPLAM	**249**		**TOPLAM**	**248**		**TOPLAM**	**73**		**TOPLAM**	**171**

SEÇİMLİK ALAN DERSLERİ (SA)			SEÇİMLİK ALAN DERSLERİ (SA)			EŞDEĞER DERSLER (SA) SEÇİMLİK DERSLER			ÇİFT ANADALINDA ALACAĞI (SA) SEÇİMLİK DERSLER		
DERS KODU	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**	**DERS KODU**	**DERS ADI**	**AKTS**
IE0005	**Introduction to Fuzzy Modelling**	**5**	EE0801	Special Topics in Electronic Engineering I	**6**				**IE0005**	**Introduction to Fuzzy Modelling**	**5**
IE0006	**Data Structures and Programming**	**5**	EE0802	Special Topics in Electronic Engineering II	**6**				**IE0006**	**Data Structures and Programming**	**5**
IE0104	**Introduction to Data Mining**	**6**	EE0803	Management for Engineers	**6**				**IE0104**	**Introduction to Data Mining**	**6**
IE0204	**Case Studies in Mathematical Modelling**	**6**	EE0804	Academic Writing	**6**				**IE0204**	**Case Studies in Mathematical Modelling**	**6**
IE0205	**Introduction to Decision Analysis**	**6**	EE0805	Electrical Measurement	**6**				**IE0205**	**Introduction to Decision Analysis**	**6**
IE0301	**Systems Analysis**	**5**	EE0806	Circuit Synthesis	**6**				**IE0301**	**System Analysis**	**5**
IE0302	**Enterprise Resource Planning**	**5**	EE0808	Biomedical Instrumentation	**6**				**IE0302**	**Enterprise Resource Planning**	**5**
IE0303	**Management Information Systems**	**5**	EE0809	Industrial Electronics	**6**				**IE0303**	**Management Information Systems**	**5**
IE0307	**Technology Management**	**5**	EE0810	Microwave Engineering	**6**				**IE0307**	**Technology Management**	**5**
IE0402	**Ergonomics**	**6**	EE0811	Introduction to Antennas	**6**				**IE0402**	**Ergonomics**	**6**
IE0407	**Work Study**	**6**	EE0812	Communication Electronics	**6**				**IE0407**	**Work Study**	**6**
IE0408	**Scheduling Applications in Manufacturing and Services**	**6**	EE0813	Signal Processing Applications	**6**				**IE0408**	**Scheduling Applications in Manufacturing and Service**	**6**
IE0409	**Project Management**	**6**	EE0814	Introduction to Image Processing	**6**				**IE0409**	**Project Management**	**6**
IE0410	**Quality Planning and Analysis**	**5**	EE0815	Adaptive Filters	**6**				**IE0410**	**Quality Planning and Analysis**	**5**
IE0504	**Strategic Management**	**5**	EE0816	Digital Communication	**6**				**IE0504**	**Strategic Management**	**5**
IE0505	**Marketing Management**	**5**	EE0817	Digital Communication Lab.	**6**				**IE0505**	**Marketing Management**	**5**
IE0506	**Introduction to Business Management**	**4**	EE0818	Wireless and Mobile Networks	**6**				**IE0506**	**Introduction to Business Management**	**4**
IE0507	**Organizational Behaviour and Human Resources**	**4**	EE0819	Wideband Wireless Cellular Networks	**6**				**IE0507**	**Organizational Behaviour and Human Resources**	**4**
IE0508	**Labor Law**	**4**	EE0820	Fiberoptic Communication	**6**				**IE0508**	**Labor Law**	**4**
IE0604	**Computer Integrated Manufacturing Systems**	**5**	EE0821	Electrical Machines	**6**				**IE0604**	**Computer Integrated Manufacturing Systems**	**5**
IE0605	**Advanced Manufacturing Systems**	**6**	EE0822	Electrical Distribution Systems	**6**				**IE0605**	**Advanced Manufacturing Systems**	**6**
IE0606	**Manufacturing Techniques**	**5**	EE0823	High Voltage Technique	**6**				**IE0606**	**Manufacturing Techniques**	**5**
IE0607	**Industrial Applications of Nanotechnology**	**6**	EE0824	Introduction To Nanoelectronics	**6**				**IE0607**	**Industrial Applications of Nanotechnology**	**6**
IE0608	**Introduction to Renewable Energy**	**6**	EE0825	Semiconductor Technology	**6**				**IE0608**	**Introduction to Renewable Energy**	**6**
IE0609	**Introduction to Energy Management**	**5**	EE0827	Embedded System Applications	**6**				**IE0609**	**Introduction to Energy Management**	**5**
IE0701	**Academic Writing and Presentation Skills**	**5**	EE0828	CMOS VLSI Design-1	**6**	EE6021 / IE0701	Technical Writing and Presentation / Academic Writing and Presentation Skills	**4 / 5**			
IE0901	**Special Topics in Industrial Engineering**	**2**	EE0829	CMOS VLSI Design-2	**6**				**IE0901**	**Special Topics in Industrial Engineering**	**2**
IE0411	**Logistics Systems**	**6**	EE0830	Electromagnetic Compatibility	**6**				**IE0411**	**Logistics Systems**	**6**
IE0902	**Case Studies in Industrial Engineering**	**3**	EE0831	Electroacoustics	**6**				**IE0902**	**Case Studies in Industrial Engineering**	**3**
IE0007	**Advanced Excel Applications**	**5**	EE0832	Radar Principles	**6**				**IE0007**	**Advanced Excel Applications**	**5**
IE0412	**Advanced Project Management**	**6**	EE0833	Satellite Communication	**6**				**IE0412**	**Advanced Project Management**	**6**
IE0304	**Human Computer Interaction and User Experience**	**6**	EE0834	Transmission Lines	**6**				**IE0304**	**Human Computer Interaction and User Experience**	**6**
IE0305	**Business Simulation**	**6**	EE0835	Image Processing with Applications to Neural Networks	**6**				**IE0305**	**Business Simulation**	**6**
IE0306	**Database Management Systems**	**6**	EE0836	Digital Speech Processing	**6**				**IE0306**	**Database Management Systems**	**6**
IE0413	**Service Management**	**6**	EE0837	Computer Networks	**6**				**IE0413**	**Service Management**	**6**
IE0509	**Managerial Skills for Industrial Engineers**	**5**	EE0838	Digital Communication Systems	**6**				**IE0509**	**Managerial Skills for Industrial Engineers**	**5**
IE0510	**Entrepreneurship for Industrial Engineers**	**4**	EE0839	Advanced Communication Systems	**6**				**IE0510**	**Entrepreneurship for Industrial Engineers**	**4**
IE0414	**Lean Management Principles and Practice**	**6**	EE0840	Advanced Logic Design	**6**				**IE0414**	**Lean Management Principles and Practice**	**6**
IE0511	**Case Studies in Managerial Finance**	**5**	EE0841	Introduction to Optimization	**6**				**IE0511**	**Case Studies in Managerial Finance**	**5**
CSE0406	**Mobile Programming**	**6**	CSE0440	Artificial Intelligence	**6**				**CSE0406**	**Mobile Programming**	**6**
CSE0440	**Artificial Intelligence**	**6**	CSE0449	Internet of Things	**6**				**CSE0440**	**Artificial Intelligence**	**6**
CSE0448	**Big Data Analytics**	**6**	CSE0454	Computer Vision	**6**				**CSE0448**	**Big Data Analytics**	**6**
IE0008	**Cryptocurrency and Blockchain**	**5**	CSE0471	Applied Deep Learning	**6**				**IE0008**	**Cryptocurrency and Blockchain**	**5**
IE0105	**Pricing and Revenue Management**	**5**	CSE0472	Fundamentals of Quantum Computing	**6**				**IE0105**	**Pricing and Revenue Management**	**5**
IE0206	**System Dynamics**	**6**	CSE0473	Introduction to Data Science	**6**				**IE0206**	**System Dynamics**	**6**
IE0308	**Applied Business Process Management**	**5**	EE0842	Power Electronics	**6**				**IE0308**	**Applied Business Process Management**	**5**
IE0106	**Forecasting Methods and Applications**	**5**	EE0843	Industrial Instrumentation and Design	**6**				**IE0106**	**Forecasting Methods and Applications**	**5**
IE0107	**Applied Machine Learning**	**5**	EE0844	Lighting Design	**6**				**IE0107**	**Applied Machine Learning**	**5**
IE0702	**Business English Practice**	**4**	EE0845	Renewable Energy Sources	**6**				**IE0702**	**Business English Practice**	**4**
CSE0449	**Internet of Things**	**6**	EE0846	Control Systems	**6**				**CSE0449**	**Internet of Things**	**6**
CSE0496	**Graph Theory and Social Networking**	**6**	EE0847	Introduction to Microelectronics	**6**				**CSE0496**	**Graph Theory and Social Networking**	**6**
CSE0457	**Web Mining**	**6**	EE0848	Machine Learning for Signal Processing	**6**				**CSE0457**	**Web Mining**	**6**
IE0309	**IT Service Management**	**5**	EE0849	Introduction to Robotics	**6**				**MTH0001**	**Introduction to Process Mining**	**4**
			EE0850	Computer Architecture	**6**				**MTH0002**	**Digital Transformation and Industry 4.0**	**4**
			EE0851	Digital Control Systems	**6**				**IE0415**	**Sustainability Management**	**5**
			EE0852	Data Analysis in Electronics	**6**						
			EE0853	Special Topics in Engineering	**6**						
			CE0813	Risk Management	**4**						
			CE0530	Occupational Health and Safety	**4**						
			IE0506	Introduction to Business Management	**4**						
			IE0507	Organizational Behaviour and Human Resources	**4**						
			IE0504	Strategic Management	**5**						
			IE0505	Marketing Management	**5**						

DİKKAT: ÇAP öğrencisinin ikinci anadal ders planından alması gereken derslerin AKTS toplamı en az 60 olmalıdır.

Kurallar: 1) Anadal öğreniminde aşağıdaki tabloda yer alan zorunlu derslerini alıp başarmış olan Elektrik-Elektronik Mühendisliği Bölümü öğrencileri, Endüstri Mühendisliği Bölümü Seçmeli Alan Dersleri arasında olan tablodaki dersten muaf tutulur.

DERS KODU	DERS ADI	AKTS
IE0701 / EE6021	ACADEMIC WRITING AND PRESENTATION SKILLS / TECHNICAL WRITING AND PRESENTATION	5/4

Kurallar: 2) Aşağıdaki tabloda yer alan dersler, anadal Elektrik-Elektronik Mühendisliği Bölümünde alındığı taktirde, ÇAP yapılacak Endüstri Mühendisliği Bölümü SA koşulundan düşülecektir.

DERS KODU	DERS ADI	AKTS
IE0506 / EE0803	Introduction to Business Management / Management for Engineers	4/6
IE0204 / EE0841	Case Studies in Mathematical Modelling / Introduction to Optimization	6/6
CSE0440 / CSE0440	Artificial Intelligence / Artificial Intelligence	6/6
CSE0449 / CSE0449	Internet of Things / Internet of Things	6/6
IE0104 / CSE0473	Introduction to Data Mining / Introduction to Data Science	6/6
IE0608 / EE0845	Introduction to Renewable Energy / Renewable Energy Sources	6/6
IE0506 / IE0506	Introduction to Business Management / Introduction to Business Management	4/4
IE0507 / IE0507	Organizational Behaviour and Human Resources	4/4
IE0504 / IE0504	Strategic Management / Strategic Management	5/5
IE0505 / IE0505	Marketing Management / Marketing Management	5/5

Kurallar: 3) Endüstri Mühendisliği Bölümü Önkoşullu Dersler için öğrencinin önkoşul olan dersi almış ve en az D- başarı notu ile tamamlamış olması gerekir.

DERS KODU	DERS ADI	ÖNKOŞUL DERS KODU	ÖNKOŞUL DERS ADI
IE3101	Introduction to Probability	MCB1002	Calculus II
IE3003	Object Oriented Programming	IE2002	Introduction to Programming
IE4004	Numerical Analysis for Industrial Engineers	MCB1002 IE2002	Calculus II Introduction to Programming
IE4102	Statistics for Engineers	IE3101	Introduction to Probability
IE5202	Operations Research II	IE3101	Introduction to Probability
IE6103	Design of Experiments	IE4102	Statistics for Engineers
IE6404	Production Planning and Control	IE4201	Operations Research I
IE7203	Simulation Modelling	IE4102	Statistics for Engineers
IE7405	Supply Chain Management	IE6404	Production Planning and Control
IE7803	Industrial Training II	IE6404	Production Planning and Control
IE8406	Quality Engineering	IE4102	Statistics for Engineers
IE0302	Enterprise Resource Planning	IE6404	Production Planning and Control
IE0605	Advanced Manufacturing Systems	IE4201	Operations Research I
IE0104	Introduction to Data Mining	IE3101	Introduction to Probability
IE0006	Data Structures and Programming	IE2002	Introduction to Programming
IE0205	Introduction to Decision Analysis	IE3101	Introduction to Probability
IE0412	Advanced Project Management	IE0409	Project Management
IE0414	Lean Management Principles and Practice	IE4102	Statistics for Engineers
IE0511	Case Studies in Managerial Finance	IE3502	Financial and Cost Accounting
IE0106	Forecasting Methods and Applications	IE3101	Introduction to Probability
IE0107	Applied Machine Learning for Engineering and Design	IE3101	Introduction to Probability
IE0308	Applied Business Process Management	IE3101	Introduction to Probability