

# CS-1A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Introduction to Information and Communication Technology - Lab  Muiz Qadir		L U N C H	English Composition and Comprehension - Lab  Muhammad Iqbal	English Composition and Comprehension - Lab Muhammad Iqbal English Composition and Comprehension Junaid Shahid
Tuesday	Digital Logic Design  Mirza Waqar Baig	English Composition and Comprehension  Junaid Shahid	English Composition and Comprehension - Lab  Sadia Ashfaq		English Composition and Comprehension - Lab  Sadia Ashfaq	
Wednesday	Digital Logic Design - Lab  Muhammad Arslan					English Composition and Comprehension  Muhammad Ammar
Thursday	Programming Fundamentals - Lab  Mughees Ismail		Linear Algebra  Amjad Hussain		Islamic Studies/Ethics  Rizwanullah	Linear Algebra  Amjad Hussain
Friday	Digital Logic Design  Mirza Waqar Baig	Programming Fundamentals  Rizwan ul Haq			Islamic Studies/Ethics  Rizwanullah	English Composition and Comprehension  Muhammad Ammar

# CS-1B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension Muhammad Ammar English Composition and Comprehension Junaid Shahid	English Composition and Comprehension - Lab Farah Iqbal		L U N C H	Digital Logic Design - Lab Mujahid Hussain	
Tuesday	Linear Algebra Amjad Hussain	Programming Fundamentals Rizwan ul Haq	Introduction to Information and Communication Technology - Lab Umar Naseer		Introduction to Information and Communication Technology - Lab Umar Naseer	
Wednesday		Programming Fundamentals - Lab Pariwish Touseef			Linear Algebra Amjad Hussain	English Composition and Comprehension Junaid Shahid
Thursday	English Composition and Comprehension - Lab Muhammad Iqbal		Programming Fundamentals Rizwan ul Haq		Digital Logic Design Muhammad Sajid Iqbal	Islamic Studies/Ethics Rizwanullah
Friday	Digital Logic Design Muhammad Sajid Iqbal	Islamic Studies/Ethics Rizwanullah			English Composition and Comprehension Muhammad Ammar	

# CS-1C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension - Lab Rida Akram	English Composition and Comprehension - Lab Rida Akram English Composition and Comprehension Junaid Shahid	English Composition and Comprehension - Lab Junaid Shahid English Composition and Comprehension Muhammad Ammar	L U N C H	English Composition and Comprehension - Lab Junaid Shahid	English Composition and Comprehension Junaid Shahid
Tuesday	Digital Logic Design - Lab Mujahid Hussain					English Composition and Comprehension Muhammad Ammar
Wednesday	Introduction to Information and Communication Technology - Lab Aqsa Younas		Linear Algebra Amjad Hussain		Islamic Studies/Ethics Zia Ahmad	Digital Logic Design Dr. Adil Zulfiqar
Thursday	Digital Logic Design Dr. Adil Zulfiqar		Programming Fundamentals Dr. Rabia Maqsood		Programming Fundamentals - Lab Ayesha Liaqat	
Friday		Islamic Studies/Ethics Zia Ahmad			Programming Fundamentals Dr. Rabia Maqsood	Linear Algebra Amjad Hussain

# CS-1D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Islamic Studies/Ethics Zia Ahmad 1	English Composition and Comprehension Farah Iqbal 1	English Composition and Comprehension - Lab Rida Akram English Composition and Comprehension Sadia Ashfaq 1	L U N C H	English Composition and Comprehension - Lab Rida Akram 1	Applied Physics Waheed Ahmad 1
Tuesday	Introduction to Information and Communication Technology - Lab Aqsa Younas 1		Programming Fundamentals Dr. Rabia Maqsood 1		Calculus and Analytical Geometry Dr.Mushtaq Ahmad 1	English Composition and Comprehension Sadia Ashfaq 1
Wednesday	English Composition and Comprehension - Lab Amna Farooq 1		Calculus and Analytical Geometry Dr.Mushtaq Ahmad 1			English Composition and Comprehension Farah Iqbal 1
Thursday		Islamic Studies/Ethics Zia Ahmad 1			Programming Fundamentals - Lab Muhammad Azeem Iftikhar 1	
Friday	Programming Fundamentals Dr. Rabia Maqsood 1		Applied Physics Waheed Ahmad 1			

# CS-1E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension Farah Iqbal 1	Introduction to Information and Communication Technology - Lab Muiz Qadir 1		L U N C H	English Composition and Comprehension - Lab Amna Farooq 1 English Composition and Comprehension Muhammad Iqbal 1	English Composition and Comprehension - Lab Amna Farooq 1
Tuesday		Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1			Programming Fundamentals - Lab Mughees Ismail 1	
Wednesday	Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1	Applied Physics Waheed Ahmad 1	Pakistan Studies Asif Naveed 1			English Composition and Comprehension Muhammad Iqbal 1
Thursday		English Composition and Comprehension - Lab Mah Rukh 1			Programming Fundamentals Dr. Danish Shehzad 1	
Friday		English Composition and Comprehension Farah Iqbal 1	Pakistan Studies Asif Naveed 1		Applied Physics Waheed Ahmad 1	

# CS-1F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			Pakistan Studies Asif Naveed 1	L U N C H	English Composition and Comprehension - Lab Ehtasham-Ul-Haq English Composition and Comprehension Muhammad Iqbal 1	
Tuesday	Programming Fundamentals Saqib Hayat 1		English Composition and Comprehension Sadia Ashfaq 1		English Composition and Comprehension - Lab Mah Rukh English Composition and Comprehension Sadia Ashfaq 1	English Composition and Comprehension - Lab Mah Rukh 1
Wednesday	Introduction to Information and Communication Technology - Lab Muhammad Haseeb Arshad 1		Pakistan Studies Asif Naveed 1		Programming Fundamentals Saqib Hayat 1	
Thursday	Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1		Programming Fundamentals - Lab Umar Naseer 1		Programming Fundamentals - Lab Umar Naseer 1	
Friday		Applied Physics Waheed Ahmad 1	Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1			Applied Physics Waheed Ahmad 1

# CS-3A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Object Oriented Programming Shoaib Saleem	Computer Organization and Assembly Language - Lab Abuzar Ghafari Finance & Accounting Agha Mureed Ahmad Khan	Computer Organization and Assembly Language - Lab Abuzar Ghafari Calculus and Analytical Geometry Bushra Niaz	L U N C H	Object Oriented Programming - Lab Muhammad Hannan Farooq	
Tuesday	Linear Algebra Ghilmana Sarmad	Differential Equations Arfan Shahzad Digital Logic Design Muhammad Irfan Ishaq	Data Structures - Lab Saba Aslam		Data Structures - Lab Saba Aslam Object Oriented Programming Shoaib Saleem	Discrete Structures Dr. Muhammad Ahmad Linear Algebra Ghilmana Sarmad
Wednesday	Differential Equations Arfan Shahzad				Digital Logic Design Muhammad Irfan Ishaq	
Thursday	Applied Physics Muhammad Mohsin Hameed Computer Organization and Assembly Language Abdul Qadeer Bilal		Discrete Structures Dr. Muhammad Ahmad			Applied Physics Muhammad Mohsin Hameed Data Structures Muhammad Husnain
Friday	Finance & Accounting Agha Mureed Ahmad Khan		Data Structures Muhammad Husnain			Calculus and Analytical Geometry Bushra Niaz Computer Organization and Assembly Language Abdul Qadeer Bilal

# CS-3B

Day/Period	I	II	III	1:15-1:45	IV	V	
Monday	Object Oriented Programming - Lab Muhammad Hannan Farooq			L U N C H	Computer Orgnaization and Assembly Language - Lab Ali Raza		
Tuesday		Fundamentals of Management Muhammad Tayyeb Riaz			Data Structures - Lab Muhammad Hannan Farooq		
Wednesday		Computer Organization and Assembly Language Abdul Qadeer Bilal Object Oriented Programming Dr Usman Habib			Object Oriented Programming Dr Usman Habib	Discrete Structures Dr. Muhammad Ahmad	
Thursday	Discrete Structures Dr. Muhammad Ahmad	Differential Equations Arfan Shahzad			Fundamentals of Management Muhammad Tayyeb Riaz		
Friday							Computer Organization and Assembly Language Abdul Qadeer Bilal



# CS-3C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			<b>Data Structures</b> <b>Dr. Hashim Yasin</b>	<b>L U N C H</b>		
Tuesday		<b>Marketing Management</b> <b>Syed Zeeshan Haider</b>			<b>Computer Orgnaization and Assembly Language - Lab</b> <b>Ali Raza</b>	
Wednesday			<b>Marketing Management</b> <b>Syed Zeeshan Haider</b>		<b>Data Structures</b> <b>Dr. Hashim Yasin</b>	
Thursday	<b>Data Structures - Lab</b> <b>Mughees Ismail</b>					
Friday			<b>Differential Equations</b> <b>Arfan Shahzad</b>			<b>Differential Equations</b> <b>Arfan Shahzad</b>

# CS-3D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Data Structures Muhammad Usman Joyia <sup>1</sup>
Tuesday		Differential Equations Muhammad Waqas Javed <sup>1</sup>	Data Structures Muhammad Usman Joyia <sup>1</sup>		Marketing Management Syed Zeeshan Haider <sup>1</sup>	
Wednesday		Discrete Structures Usman Ghous <sup>1</sup>	Data Structures - Lab Saba Aslam <sup>1</sup>		Data Structures - Lab Saba Aslam <sup>1</sup>	
Thursday	Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>					
Friday	Differential Equations Muhammad Waqas Javed <sup>1</sup>				Discrete Structures Usman Ghous <sup>1</sup>	Marketing Management Syed Zeeshan Haider <sup>1</sup>

# CS-3E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari	L U N C H	Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari Finance & Accounting 1 Agha Mureed Ahmad Khan	
Tuesday			Differential Equations 1 Hayat Ali			
Wednesday						
Thursday					Differential Equations 1 Hayat Ali	
Friday						Finance & Accounting 1 Agha Mureed Ahmad Khan

# CS-5A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Theory of Automata Anmol Bilal <sup>1</sup>		Computer Networks - Lab Ayesha Liaqat <sup>1</sup>	L U N C H	Computer Networks - Lab Ayesha Liaqat <sup>1</sup>	Web Programming Muhammad Shahrose Khan <sup>1</sup>
Tuesday	Software Design and Analysis Dr. Muhammad Bilal <sup>1</sup>				Computer Networks Masood Habib <sup>1</sup>	
Wednesday						Probability and Statistics Haris Khurram <sup>1</sup>
Thursday	Software Design and Analysis Dr. Muhammad Bilal <sup>1</sup>		Computer Networks Masood Habib <sup>1</sup>			
Friday	Probability and Statistics Haris Khurram <sup>1</sup>		Web Programming Muhammad Shahrose Khan <sup>1</sup>			Theory of Automata Anmol Bilal <sup>1</sup>

# CS-5B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Web Programming Muhammad Shahrose Khan <sup>1</sup>	Marketing Management Hafiz MZeeshan Raza <sup>1</sup>	Web Programming Muhammad Shahrose Khan <sup>1</sup>	L U N C H	Marketing Management Hafiz MZeeshan Raza <sup>1</sup>	
Tuesday					Software Design and Analysis Dr. Muhammad Bilal <sup>1</sup>	Theory of Automata Anmol Bilal <sup>1</sup>
Wednesday		Software Design and Analysis Dr. Muhammad Bilal <sup>1</sup>	Computer Networks - Lab Ayesha Liaqat <sup>1</sup>		Computer Networks - Lab Ayesha Liaqat <sup>1</sup>	
Thursday						
Friday		Theory of Automata Anmol Bilal <sup>1</sup>	Computer Networks Dr. Bilal Khan <sup>1</sup>		Computer Networks Dr. Bilal Khan <sup>1</sup>	

# CS-5C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Theory of Automata Numan Shafi	Probability and Statistics Haris Khurram	L U N C H	Software Design and Analysis Dr. Uzair Iqbal	
Tuesday	Computer Networks - Lab Sumaira Mustafa		Theory of Automata Numan Shafi			
Wednesday			Advanced Programming Awais Azam			Software Design and Analysis Dr. Uzair Iqbal
Thursday		Probability and Statistics Haris Khurram	Advanced Programming Awais Azam			Computer Networks Dr. Bilal Khan
Friday			Computer Networks Dr. Bilal Khan			

# CS-5D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Design and Analysis of Algorithms Shoaib Saleem 1
Tuesday	Database Systems Saqib Hayat 1 Discrete Structures Usman Ghous 1	Theory of Automata Numan Shafi 1			Database Systems - Lab Saqib Hayat 1	
Wednesday	Database Systems Saqib Hayat 1				Operating System Usman Ghous 1	
Thursday	Operating System Usman Ghous 1	Psychology Aisha Bano 1			Operating Systems - Lab Muhammad Haseeb Arshad 1	
Friday		Psychology Aisha Bano 1	Discrete Structures Usman Ghous 1		Design and Analysis of Algorithms Shoaib Saleem 1	Theory of Automata Numan Shafi 1

# CS-5E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Psychology Aisha Bano 1		Database Systems Aliza Saeed 1	L U N C H		Design and Analysis of Algorithms Shoaib Saleem 1
Tuesday	Database Systems - Lab Muhammad Shahrose Khan Psychology Aisha Bano 1 1	Database Systems - Lab Muhammad Shahrose Khan 1	Design and Analysis of Algorithms Shoaib Saleem 1			
Wednesday	Theory of Automata Numan Shafi 1					
Thursday		Operating Systems - Lab Muhammad Yousaf 1				
Friday		Theory of Automata Numan Shafi 1				Database Systems Aliza Saeed 1



# CS-7A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Data Mining Dr. Rabia Maqsood		1	L U N C H		
Tuesday		Artificial Intelligence Dr. Shah Nawaz Qureshi	1			Software Engineering Awais Azam
Wednesday	Professional Practices in IT Rizwan ul Haq					
Thursday	Information Security Dr. Danish Shehzad		Artificial Intelligence - Lab Saba Aslam		Artificial Intelligence - Lab Saba Aslam	Data Science Adeel Ashraf Cheema
Friday	Professional Practices in IT Rizwan ul Haq	Data Science Adeel Ashraf Cheema	Artificial Intelligence Dr. Shah Nawaz Qureshi		Information Security Dr. Danish Shehzad	Software Engineering Awais Azam

# CS-7B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Information Security Dr. Danish Shehzad 1			L U N C H		
Tuesday	Data Mining Nasreen Akhtar 1				Data Science Adeel Ashraf Cheema 1	
Wednesday		Software Engineering Awais Azam 1	Data Science Adeel Ashraf Cheema 1		Professional Practices in IT Masood Habib 1	
Thursday	Professional Practices in IT Masood Habib 1		Software Engineering Awais Azam 1		Data Mining Nasreen Akhtar 1	
Friday					Information Security Dr. Danish Shehzad 1	

# CS-7C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Information Security Dr. Irfan ul Haq <sup>1</sup>
Tuesday	Professional Practices in IT Masood Habib <sup>1</sup>					Applied Machine Learning Dr. Hashim Yasin <sup>1</sup>
Wednesday		Applied Machine Learning Dr. Hashim Yasin <sup>1</sup>			Information Security Dr. Irfan ul Haq <sup>1</sup>	
Thursday	Software for Mobile Devices - Lab Tahir Farooq <sup>1</sup>				Professional Practices in IT Masood Habib <sup>1</sup>	
Friday						

# CS-7D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H	Information Security 1 Dr. Muhammad Umar Aftab	
Tuesday	Applied Machine Learning 1 Dr. Hashim Yasin		Software for Mobile Devices - Lab 1 Tahir Farooq		Software for Mobile Devices - Lab 1 Tahir Farooq	
Wednesday	Professional Practices in IT 1 Tehreem Aslam				Professional Practices in IT 1 Tehreem Aslam	
Thursday						Applied Machine Learning 1 Dr. Hashim Yasin
Friday						Information Security 1 Dr. Muhammad Umar Aftab

# CS-7E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Professional Practices in IT Tehreem Aslam <sup>1</sup>			L U N C H		
Tuesday					Fundamentals of Software Project Management Dr. Muhammad Bilal <sup>1</sup>	
Wednesday			Information Security Dr. Muhammad Umar Aftab <sup>1</sup>			Information Security Dr. Muhammad Umar Aftab <sup>1</sup>
Thursday	Software Testing Dr. Uzair Iqbal <sup>1</sup>	Professional Practices in IT Tehreem Aslam <sup>1</sup>				
Friday	Fundamentals of Software Project Management Dr. Muhammad Bilal <sup>1</sup>	Software Testing Dr. Uzair Iqbal <sup>1</sup>				

CS-7F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Software Testing Dr. Uzair Iqbal1
Tuesday	Remote Sensing and GIS Dr M. Shahzad Sarfraz1		Software Testing Dr. Uzair Iqbal1			
Wednesday						
Thursday						
Friday	Remote Sensing and GIS Dr M. Shahzad Sarfraz1					

CS-9A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		
Tuesday	Software for Mobile Devices - Lab No-Teacher					
Wednesday			Computer Architecture Muhammad Usman Joyia			
Thursday						
Friday			Computer Architecture Muhammad Usman Joyia			

# SE-1A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension - Lab Muhammad Ammar		English Composition and Comprehension - Lab Ehtasham-Ul-Haq	L U N C H	English Composition and Comprehension - Lab Ehtasham-Ul-Haq	Programming Fundamentals Sumaira Mustafa
Tuesday	Applied Physics Waheed Ahmad	Pakistan Studies Asma Yaqoob	English Composition and Comprehension Sadia Ashfaq		Calculus and Analytical Geometry Bushra Niaz	
Wednesday	Programming Fundamentals - Lab Sumaira Mustafa				Calculus and Analytical Geometry Bushra Niaz	
Thursday	Introduction to Information and Communication Technology - Lab Umar Naseer		Programming Fundamentals Sumaira Mustafa		English Composition and Comprehension Farah Iqbal	
					English Composition and Comprehension Sadia Ashfaq	
Friday		English Composition and Comprehension Farah Iqbal	Pakistan Studies Asma Yaqoob		Applied Physics Waheed Ahmad	



# SE-1B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Introduction to Information and Communication Technology - Lab  Muhammad Haseeb Arshad		L U N C H	Programming Fundamentals  Aliza Saeed	English Composition and Comprehension  Muhammad Iqbal
Tuesday	Applied Physics  Dr. Arslan Ahmed Amin	English Composition and Comprehension  Rida Akram	Applied Physics  Dr. Arslan Ahmed Amin		Programming Fundamentals - Lab  Aliza Saeed	
Wednesday	Calculus and Analytical Geometry  Bushra Niaz	English Composition and Comprehension - Lab  Sadia Ashfaq			Programming Fundamentals  Aliza Saeed	English Composition and Comprehension  Rida Akram
Thursday	English Composition and Comprehension - Lab  Farah Iqbal		Calculus and Analytical Geometry  Bushra Niaz		English Composition and Comprehension  Muhammad Iqbal	
Friday					Pakistan Studies  Zainab Javeed	

# SE-3A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Object Oriented Programming Dr Usman Habib 1			L U N C H	Human Computer Interaction Dr. Shahnawaz Qureshi 1	Software Requirement Engineering Pariwish Touseef 1
Tuesday			Software Requirement Engineering Pariwish Touseef 1		Data Structures - Lab Aqsa Younas 1 Object Oriented Programming Dr Usman Habib 1	Data Structures - Lab Aqsa Younas 1
Wednesday	Data Structures Muhammad Usman Joyia 1	Linear Algebra Ghilmana Sarmad 1	Object Oriented Programming - Lab Muhammad Yousaf 1		Object Oriented Programming - Lab Muhammad Yousaf 1	Human Computer Interaction Dr. Shahnawaz Qureshi 1
Thursday	Marketing Management Hafiz MZeeshan Raza 1				Data Structures Muhammad Usman Joyia 1	
Friday			Marketing Management Hafiz MZeeshan Raza 1			Linear Algebra Ghilmana Sarmad 1

# SE-3B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Data Structures - Lab Asif Ameer 1		L U N C H		Software Requirement Engineering Pariwish Touseef 1
Tuesday						
Wednesday	Data Structures Asif Ameer 1	Human Computer Interaction Dr. Shahnawaz Qureshi 1				
Thursday	Software Requirement Engineering Pariwish Touseef 1					Data Structures Asif Ameer 1
Friday	Finance & Accounting Muhammad Nasif 1	Human Computer Interaction Dr. Shahnawaz Qureshi 1	Linear Algebra Ghilmana Sarmad 1		Finance & Accounting Muhammad Nasif 1	Linear Algebra Ghilmana Sarmad 1

# SE-5A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Database Systems - Lab Nasreen Akhtar Operation Research Dr. Muhammad Imran Babar	Database Systems - Lab Nasreen Akhtar	Probability and Statistics Haris Khurram	L U N C H	Software Construction and Development - Lab Muhammad Azeem Iftikhar	
Tuesday	Software Quality Engineering Tehreem Aslam		Technical and Business Writing Muhammad Nouman Iftikhar		Database Systems Nasreen Akhtar	
Wednesday	Database Systems Nasreen Akhtar	Operating Systems - Lab Muhammad Yousaf			Operating Systems Muhammad Husnain	
Thursday	Probability and Statistics Haris Khurram		Operation Research Dr. Muhammad Imran Babar Technical and Business Writing Muhammad Nouman Iftikhar			
Friday		Software Construction and Development Dr. Affan Rauf			Software Quality Engineering Tehreem Aslam	

# SE-5B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Software Quality Engineering Abdul Qadeer Bilal <sup>1</sup>		Software Quality Engineering Abdul Qadeer Bilal <sup>1</sup>	L U N C H	Operation Research Dr. Muhammad Imran Babar <sup>1</sup>	Software Construction and Development Dr. Affan Rauf <sup>1</sup>
Tuesday		Probability and Statistics Haris Khurram <sup>1</sup>	Software Construction and Development Dr. Affan Rauf <sup>1</sup>			Technical and Business Writing Muhammad Nouman Iftikhar <sup>1</sup>
Wednesday			Operation Research Dr. Muhammad Imran Babar <sup>1</sup>			
Thursday		Probability and Statistics Haris Khurram <sup>1</sup>			Software Construction and Development - Lab Muhammad Azeem Iftikhar <sup>1</sup>	
Friday	Technical and Business Writing Muhammad Nouman Iftikhar <sup>1</sup>					