GENERAL GUIDELINES for DATA SCIENCE COURSE SEQUENCING and SCHEDULES							
	The <i>only</i> course a DS student can take <i>without a prerequisite</i> is						
FIRST							
	s in Data Science, Computer Science and Math require programming experience and will be learned in DS 501.						
First semester - if your CS skills are limited and/or you need to refresh your python/computing skills							
FIRST	CS 5007 - INTRODUCTION to PROGRAMMING CONCEPTS, DATA STRUCTURES and ALGORITHMS						
	If your statistics skills are <i>limited</i> and/or you need to refresh them, first take						
FIRST	DS 517 - MATHEMATICAL FOUNDATIONS FOR DATA SCIENCE						
	Suggested order among statistics courses						
FIRST	MA 511 - APPLIED STATISTICS for ENGINEERS and SCIENTISTS (can be skipped)						
SECOND	MA 543/DS 502 - STATISTICAL METHODS for DATA SCIENCE						
THIRD	MA 542 - REGRESSION ANALYSIS <i>or</i>						
THIRD	MA 554 - APPLIED MULTIVARIATE ANALYSIS						
	Suggested order among data management courses						
FIRST	CS542 - DATABASE MANAGEMENT SYSTEMS or MIS 571 - DATABASE APPLICATIONS DEVELOPMENT						
THEN	CS 585/ DS 503 - BIG DATA MANAGEMENT or						
THEN	CS 561 - ADVANCED TOPICS in DATABASE SYSTEMS or						
	Data Management course prerequisite to Business Intelligence						
FIRST	CS542 - DATABASE MANAGEMENT SYSTEMS or MIS 571 - DATABASE APPLICATIONS DEVELOPMENT						
THEN	MIS 584 - BUSINESS INTELLIGENCE (prerequisite is one data management course)						
	Analysis Courses						
FIRST	CS 584 - KNOWLEDGE DISCOVERY and DATA MINING						
THEN	CS 539 - MACHINE LEARNING						
	Mixture of Courses						
FIRST	DS 502 - STATISTICAL METHODS for DATA SCIENTISTS <i>AND</i>						
FIRST	CS 585/ DS 503 - BIG DATA MANAGEMENT AND						
FIRST	(CS 548 KNOWLEDGE DISCOVERY and DATA MINING and/or						
FIRST	MKT 568 - DATA MINING BUSINESS APPLICATIONS)						
THEN	CS 586 /DS 504 - BIG DATA ANALYTICS						
	Core DS Courses should be completed before DS Special Topics courses						
OR	CS 525 - DEEP LEARNING						
OR	CS 525 - UNSUPERVISED LEARNING						
OR	DS 595 - URBAN PLANNING						
OR	DS 595 - INFORMATIONAL RETRIEVAL						
OR	CS 525/DS 595						
The Conducte Qualifying Duciest is to be taken during the Just connector of the Data Coice of Data Coice of the Data Coi							
	The Graduate Qualifying Project is to be taken during the <i>last</i> semester of the Data Science Program						
LAST	DS 598 GQP Graduate Qualifying Project						