New Economic School
Yandex School of Data Analysis

ECONOMICS AND DATA SCIENCE

1 YEAR

	1 module September-October	2 module November-December	3 module January-February	4 module March-April	5 module May-June
NES New Economic School	Microeconomics - 1	Microeconomics - 2	Game Theory	Microeconomics - 4	NES elective courses
	Probability Theory	Mathematical Statistics	Econometrics - 1	Econometrics - 2	
	Английский язык				
SCHOOL OF DATA ANALYSIS	Algorithms and Data Structures - 1		Machine Learning - 1		
	Learning Python		Applications of Mathematical Statistics in Machine Learning		

2 YEAR

	6 module September-October	7 module November-December	8 module January-February	9 module March-April	10 module May-June
NES New Economic School	Macroeconomics - 1	Macroeconomics - 2	NES elective courses		
	NES elective course	NES elective course			
SCHOOL OF DATA ANALYSIS	Machine Learning - 2		SDA elective courses		
	SDA elective course				
	Project				

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NES RECOMMENDED ELECTIVE COURSES

- Asset Pricing
- Behavioral Economics
- Consumer Modeling for Marketing Applications
- Corporate Finance
- Current Topics and Modern Financial Markets
- Derivatives
- Econometrics – 3*
- Econometrics – 4**
- Empirical Industrial Organization
- Financial Markets & Instruments
- Industrial Organization
- Introduction to Marketing
- Market Microstructure
- Mathematical Finance
- Microeconometrics
- Political Economics
- Risk Management

* Asymptotics and bootstrap, nonlinear least squares, nonparametric methods

** General method of moments, maximum likehood, panel data

SDA RECOMMENDED ELECTIVE COURSES

- Algorithms and Data Structures-2
- Bayesian Methods in Machine Learning
- Computer Vision
- Deep Learning
- Discrete Optimization
- Fundamentals of Stochastics. Stochastic Models
- Game Theory, additional chapters
- Information Retrieval
- Introduction to Functional Analysis
- Learning C++ -1
- Natural Language Processing
- Natural Language Processing-2
- Neurobayesian Methods
- Reinforcement Learning
- Scalable Machine Learning
- Self-driving cars