Advanced Quantitative Reasoning   FALL 2017

AQR (Algebra III)

Topics	Standards	Time
Unit 1 – Analyzing Numerical Data Students will extend the understanding of proportional reasoning, ratios, rates, and percent by applying them to various settings to include business, media, and consumerism	MAMDMN1	About 5-7 Weeks Roughly 20-28 class meetings
Unit 2 – Probability Students will determine probability and expected value to inform everyday decision making.	MAMDMD1	About 6-7 Weeks Roughly 22-28 class meetings
Unit 3 – Statistical Studies Students will apply statistical methods to design, conduct and analyze statistical studies Students will use functions to model problem situations in both discrete and continuous relationships.	MAMDMD3	About 7-8 Weeks Roughly 25-30 class meetings
Unit 4 – Using Recursion in Models and Decision Making Students will use functions to model problem situations in both discrete and continuous relationships.	MAMDMD4	About 2-4 Weeks Roughly 10-15 class meetings
Unit 5 – Using Functions in Models and Decision making Students will use functions to model problem situations in both discrete and continuous relationships.	MAMDMD5	About 5-7 Weeks Roughly 20-28 class meetings
Unit 6 – Decision Making in Finance Students will create and analyze mathematical models to make decisions related to earning, investing, spending and borrowing money	MAMDMD6	About 7-9 Weeks Roughly 28-35 class meetings