



FAO- TAMU LABORATORY QUALITY SYSTEMS

MAY 30TH – AUGUST 7TH, 2017

COURSE SCHEDULE

Week	Topics	Assignments
Unit I - Introduction to Quality Systems		
1	Laboratory Quality Systems-Overview	Self-Introduction Discussion # 1
2	Laboratory Information Management Reporting Results Sampling & Handling Evidence	Homework # 1
Unit II – ISO Procedures and Implementation		
3	ISO 17025 Framework and Accreditation Documents and Records SOPs	Homework # 2
4	The Big Three <ul style="list-style-type: none">• Traceability• Proficiency Testing• Uncertainty	Homework # 3
5	Quality Control Procedures <ul style="list-style-type: none">• Corrective actions• Control of Non-conforming work• Instrument Calibration and Maintenance• Training	Homework # 4
Unit III Validation of Analytical Procedures		
6	Validation of Analytical Procedures: Microbiology	Homework # 5
7	Validation of Analytical Procedures: Rapid Methods	Homework # 6
8	Validation of Analytical Procedures: Instrumental	Homework # 7

Unit IV – Laboratory Management		
9	Statistical Techniques	Homework # 8
10	Technology Strategy	Discussion # 2