

Food Science: “DNA Fingerprinting”

DAY 1: TUESDAY, JUNE 28TH 2:00-4:30PM

Activity	Time	Location
Introductions and Ice Breakers	2:00PM-2:30PM	117 Stocking Hall
Food Microbiology and Food Safety presentation	2:30PM-2:45PM	117 Stocking Hall
Case Study: Foodborne Outbreak Investigation	2:45PM-4:00PM	117 Stocking Hall
Sample Collection and Processing	4:00PM-4:20PM	301 Stocking Hall
Review	4:20PM-4:30PM	301 Stocking Hall

DAY 2: WEDNESDAY, JUNE 29TH 9:00-4:30PM

Activity	Time	Location
Review	9:00AM-9:15AM	117 Stocking Hall
Examine Sample Enrichments and Gather Data	9:15AM-9:30AM	117 Stocking Hall
Strawberry DNA Extraction	9:30AM-10:00AM	301 Stocking Hall
DNA Model: Structure, Replication, and PCR	10:00AM-11:00AM	301 Stocking Hall
Pipet Practice Activity	11:00AM-11:30AM	301 Stocking Hall
Lunch	11:30AM-1:00PM	Trillium
DNA Fingerprinting Overview	1:00PM-1:30PM	301 Stocking Hall
Restriction Digest	1:30PM-2:30PM	301 Stocking Hall
invA PCR	2:30PM-3:30PM	301 Stocking Hall
Stop Restriction and Load Gels	3:30PM-4:15PM	301 Stocking Hall
Review – Investigation progress?	4:15PM-4:30PM	301 Stocking Hall

DAY 3: THURSDAY, JUNE 30TH 9:00-12:00PM

Activity	Time	Location
Review	9:00AM-9:15AM	301 Stocking Hall
Analyze Gels and Discuss Results	9:15AM-9:30AM	301 Stocking Hall
Conclusion of Investigation	9:30AM-10:00AM	301 Stocking Hall
Nature of Science	10:00AM-10:15AM	301 Stocking Hall
Overview of Research Programs and Lab Tours	10:15AM-10:45AM	301 Stocking Hall
Review and Jeopardy	10:45AM-11:15AM	301 Stocking Hall
Conclusions and Evaluations	11:15AM-12:00PM	301 Stocking Hall