



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Toyota Manual Transmissions and Drivetrains  
**Course Number:** TOY106

### Required Materials

**Textbook(s):** Today's Technician: Manual Transmissions & Transaxles  
**Required Readings:** NA  
**Additional Materials:** NA

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

<b>4 Weeks</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 1	Clutch Basics, Clutch Linkages and Hydraulic Service <b>LAB</b> - Clutch Service & Diagnosis Transmission Basics <b>LAB</b> - Transmission Overhaul Quizzes Ch. 4 – 6 Quiz 3 Unit 1 Exam
Week 2	Finish Transmission Overhaul Lab, Transaxle Basics <b>LAB</b> - Transaxle Overhaul Finish Transaxle Overhaul Lab, Shift Cables Differential Basics, Inspection and Measurement Quizzes Ch. 7 – 8 Quiz 12 Unit 2 Exam
Week 3	Differential Set Up and Measurement Noise and Leak Diagnosis, 4WD/AWD Basics Transfer Case Basics 4WD/AWD Diagnosis Quizzes Ch. 13, 15, and 16 Unit 3 – 4 Exams

<b>4 Weeks</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 4	Driveline Components: U-Joint Service / CV Inspection / Driveline Angles / Vibration Analysis U-Joint Service / CV Inspection / Driveline Angles Quizzes Ch. 9, 10, and 17 Unit 6 Exam Final Exam – Hands on Final