



Student Learning Outcomes Committee

Approved Agenda

March 27, 2023 | 2:30 PM | Room 2450

This meeting is in-person in Room 2450.

LPC Mission Statement

Las Positas College is an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of students' transfer, degree, and career-technical goals while promoting lifelong learning.

LPC Planning Priorities

❖ Establish a knowledge base and an appreciation for equity; create a sense of urgency about moving toward equity; institutionalize equity in decision-making, assessment, and accountability; and build capacity to resolve inequities.

❖ Increase student success and completion through change in college practices and processes: coordinating needed academic support, removing barriers, and supporting focused professional development across the campus.

SLO Committee Quorum:

Voting Members:

John Rosen (SLO Chair; BSSL)
Liz McWhorter (SLO Support)
Kimberly Burks (Student Services)
Jennie Graham (STEM)
Stuart McElderry (Dean, BSSL)
Karin Spirn (A&H)

Guests:

Call to Order

John Rosen

Review and Approval of Agenda

John Rosen

Review and Approval of Minutes (March 13, 2023)

John Rosen

Public Comment (This time is reserved for members of the public to address the SLO Committee. Please limit comments to three minutes. In accordance with the Brown Act, the SLO Committee cannot discuss or act on items not on the agenda.)

Reports

- Chair's Report

John Rosen

- Administrator's Report

Stuart McElderry

CSLO Reviews

AMT 50 (Success in Aviation Maintenance Technology)

Upon completion of this course, the student should be able to:

1. Articulate the range of career opportunities for aviation mechanics within and beyond the core industry.
2. Demonstrate fluency in safety techniques, mindsets, and practices.
3. Utilize critical thinking, task-analysis, trouble-shooting, and problem solving techniques and skills.

AMT 52 (Basic Science of Aviation Maintenance Technology)

Upon completion of this course, the student should be able to:

1. Calculate resistance and current and voltage in electrical circuits.
2. Service batteries.
3. Read schematics and troubleshoot circuits.
4. Accomplish corrosion control on aircraft.

AMT 52L (Basic Science of Aviation Maintenance Technology Laboratory)

Upon completion of this course, the student should be able to:

1. Utilize critical thinking, task-analysis, trouble-shooting, and problem solving techniques and skills.
2. Calculate resistance and current and voltage in electrical circuits.
3. Service batteries.
4. Read schematics and troubleshoot circuits.
5. Accomplish corrosion control on aircraft.

AMT 54 (Survey of Aviation Maintenance Technology)

Upon completion of this course, the student should be able to:

1. Evaluate systems as per FAA documentation.
2. Apply systems knowledge to actual aircraft systems.
3. Define airworthy standards for sixteen aircraft systems.

AMT 54L (Survey of Aviation Maintenance Technology Laboratory)

Upon completion of this course, the student should be able to:

1. Evaluate systems as per FAA documentation.
2. Demonstrate an ability to apply systems knowledge to actual aircraft systems.
3. Define airworthy standards for sixteen aircraft systems.

AMT 60 (Airframe Systems I)

Upon completion of this course, the student should be able to:

1. Evaluate systems as per FAA documentation.
2. Demonstrate an ability to apply systems knowledge to actual aircraft systems.
3. Define airworthy standards for seven aircraft systems.

AMT 60 (Airframe Systems I Laboratory)

Upon completion of this course, the student should be able to:

1. Evaluate systems as per FAA documentation.
2. Demonstrate an ability to apply systems knowledge to actual aircraft systems.
3. Define airworthy standards for seven aircraft systems.

AMT 62 (Airframe Systems II)

Upon completion of this course, the student should be able to:

1. Demonstrate an ability to apply systems knowledge to actual aircraft systems.
2. Evaluate systems as per FAA documentation.
3. Demonstrate technological literacy with regards to course content.
4. Define airworthy standards for seven aircraft systems.

AMT 62L (Airframe Systems II Laboratory)

Upon completion of this course, the student should be able to:

1. Demonstrate an ability to apply systems knowledge to actual aircraft systems.
2. Evaluate systems as per FAA documentation.
3. Demonstrate technological literacy with regards to course content.
4. Define airworthy standards for seven aircraft systems.

AMT 64 (Airframe Systems III and Review)

Upon completion of this course, the student should be able to:

1. Analyze aircraft systems for compliance with airworthiness standards.
2. Formulate methods for repairs through critical thinking and problem solving.
3. Demonstrate skills required to complete repairs to acceptable manufacturers and FAA standards.

AMT 64L (Airframe Systems III and Review Laboratory)

Upon completion of this course, the student should be able to:

1. Analyze aircraft systems for compliance with airworthiness standards.
2. Formulate methods for repairs through critical thinking and problem solving.
3. Demonstrate skills required to complete repairs to acceptable manufacturers and FAA standards.

AMT 70 (Theory of Powerplants I)

Upon completion of this course, the student should be able to:

1. Explain the operation of aircraft reciprocating and turbine engines
2. Disassemble and assemble an aircraft powerplant
3. Repair and inspect aircraft engine ignition, instruments, lubrication, engine fuel and engine cooling systems.

AMT 70L (Theory of Powerplants I Laboratory)

Upon completion of this course, the student should be able to:

1. Explain the operation of aircraft reciprocating and turbine engines
2. Disassemble and assemble an aircraft powerplant
3. Repair and inspect aircraft engine ignition, instruments, lubrication, engine fuel and engine cooling systems.

AMT 72 (Theory of Powerplants II)

Upon completion of this course, the student should be able to:

1. Inspect components that are part of aircraft powerplant systems
2. Repair components within an aircraft powerplant system
3. Overhaul and install apparatus that are part of aircraft powerplant systems

AMT 72L (Theory of Powerplants II Laboratory)

Upon completion of this course, the student should be able to:

1. Inspect components that are part of aircraft powerplant systems
2. Repair components within an aircraft powerplant system
3. Overhaul and install apparatus that are part of aircraft powerplant systems

AMT 74 (Advanced Powerplants I)

Upon completion of this course, the student should be able to:

1. Inspect , repair, troubleshoot, and install aircraft propeller systems.
2. Repair and inspect turboprop systems, helicopter powerplants, auxiliary powerplants, and turbine engines.
3. Utilize critical thinking, task-analysis, trouble-shooting, and problem solving techniques and skills.

AMT 74L (Advanced Powerplants I Laboratory)

Upon completion of this course, the student should be able to:

1. Inspect , repair, troubleshoot, and install aircraft propeller systems.
2. Repair and inspect turboprop systems, helicopter powerplants, auxiliary powerplants, and turbine engines.
3. Utilize critical thinking, task-analysis, trouble-shooting, and problem solving techniques and skills.

AMT 76 (Advanced Powerplants II)

Upon completion of this course, the student should be able to:

1. Demonstrate technological literacy for aviation powerplants.
2. Identify and troubleshoot large aircraft ignition systems and power distribution systems.
3. Install, overhaul, inspect and repair gas turbine engines and turboprop engines and auxiliary power units.

AMT 76L (Advanced Powerplants II Laboratory)

Upon completion of this course, the student should be able to:

1. Demonstrate technological literacy for aviation powerplants.
2. Identify and troubleshoot large aircraft ignition systems and power distribution systems.
3. Install, overhaul, inspect and repair gas turbine engines and turboprop engines and auxiliary power units.

AMT 80 (Aviation Maintenance Technology Test Preparation)

Upon completion of this course, the student should be able to:

1. Prepare in part for the oral, practical and written portions of the general, powerplant, and airframe sections of the Federal Aviation Administration Aircraft Mechanics test.
2. Demonstrate fluency in all sections of the general, powerplant, and airframe sections of the Federal Aviation Administration Aircraft Mechanics test.
3. Apply common test taking strategies to improve exam scores.

PSLO Reviews**AMT AS Degree Airframe**

Upon successful completion of this program, students will be able to:

1. Student will interpret and assess aircraft systems as to airworthy condition. Student will demonstrate an ability to maintain these aircraft systems. Student will apply their knowledge of systems to evaluate FAA publications as to airworthy standard. Maintenance record recording will be completed to FAA standards.
2. Prepare for personal, educational and/or career goals.
3. Perceive, understand, and engage in verbal and nonverbal communication.
4. Understand and demonstrate personal, civic, social, environmental responsibility and cooperation in order to become a productive local and global citizen.

AMT AS Degree Powerplant

Upon successful completion of this program, students will be able to:

1. Student will interpret and assess aircraft systems as to airworthy condition. Student will demonstrate an ability to maintain these aircraft systems. Student will apply their knowledge of systems to evaluate FAA publications as to airworthy standard. Maintenance record recording will be completed to FAA standards.
2. Prepare for personal, educational and/or career goals.
3. Perceive, understand, and engage in verbal and nonverbal communication.
4. Understand and demonstrate personal, civic, social, environmental responsibility and cooperation in order to become a productive local and global citizen.

AMT Certificate of Achievement: Airframe Technician

Upon successful completion of this program, students will be able to:

1. Student will interpret and assess aircraft systems as to airworthy condition. Student will demonstrate an ability to maintain these aircraft systems. Student will apply their knowledge of systems to evaluate FAA publications as to airworthy standard. Maintenance record recording will be completed to FAA standards.
2. Prepare for personal, educational and/or career goals.
3. Perceive, understand, and engage in verbal and nonverbal communication.
4. Understand and demonstrate personal, civic, social, environmental responsibility and cooperation in order to become a productive local and global citizen.

AMT Certificate of Achievement Powerplant Technician

Upon successful completion of this program, students will be able to:

1. Student will interpret and assess aircraft systems as to airworthy condition. Student will demonstrate an ability to maintain these aircraft systems. Student will apply their knowledge of systems to evaluate FAA publications as to airworthy standard. Maintenance record recording will be completed to FAA standards.

2. Prepare for personal, educational and/or career goals.
3. Perceive, understand, and engage in verbal and nonverbal communication.
4. Understand and demonstrate personal, civic, social, environmental responsibility and cooperation in order to become a productive local and global citizen.

Discussion Items

- Program Review & SLOs

John Rosen & SLO Committee Members

Informational Items

Liz McWhorter, John Rosen

- **CSLOs for KIN 1 Sports Nutrition**

Note: This is a new, cross-listed course [cross-listed with NTRN 5].

NTRN 5: Sports Nutrition

- A. Upon completion of NTRN 5, students will communicate nutrition information using credible resources.
 - B. Upon completion of NTRN 5, students will be able to analyze and evaluate dietary intake relative to government guidelines and recommendations for athletes.
 - C. Upon completion of NTRN 5, students will describe the basic principles of nutrition as they relate to sports performance.
- **3-Year SLO/SAO Plans due**
May 1st: Please email your completed 3-Year Plan template to John or Liz. Thanks in advance!
 - **SLO Coaching**
By appointment, via Zoom or in-person (Contact John or Liz)
 - **Friday SLO Talks**
April 14 @ 10a-12p: Canvas – Documenting Student Learning
Free Registration: [Zoom Meeting Registration Link](#)

Good of the Order

Adjournment

Next Regular Meeting: April 10, 2023 (Rm 2450)