

2015 Gunsmithing IPR

Completed by
John Martin, GSS Faculty
Buck Bauer, GSS Faculty
Carol Growdon, NRA/POST Coordinator

Approved by Academic Senate October 25, 2016
Presented to Consultation Council November 2, 2016
Approved by LCC Governing Board _____

SECTION ONE: ACADEMIC PLANNING

I. Program Overview, Objectives, And Student Learning Outcomes

The mission of the Lassen Community College Gunsmithing Program is as follows:

- Provide a comprehensive series of courses to enable the student to develop necessary industry skills and earn an A.S. Degree.
- Provide specific vocational training in specific Gunsmithing subjects to facilitate entry-level employment and develop job skills to advance in current career.

The goals of the Gunsmithing Program are as follows:

- Treat each student with respect to encourage each student to establish and reach his/her goals and objectives within the field of Gunsmithing.
- Expand the use of industry technology in both degree and certificate courses.
- With the participation of an active Advisory Committee, review and improve the Program curriculum every two years.

The gunsmithing program is currently struggling to achieve these. Budgets are smaller, student numbers are higher, and travel to industry events has not been funded. It is becoming increasingly difficult to maintain the shop, supply the students and remain current with the industry. Additionally, repeatability has continued to be limited by Title V changes. Due to the lack of repeatability, the overall FTES generation has been effected during the summer session.

The objective of the Gunsmithing program is as follows:

- Identify industry standards and needs and provide individuals with opportunities to advance within the industry through vocational training with an A.S. Degree or Certificate from Lassen Community College.

The following are approved Student Learning Outcomes for the Degrees and Certificates offered in the Gunsmithing program, corresponding institutional student learning outcome noted in parentheses:

- **Associate in Science Degree Firearms Repair**
 1. Diagnose a specific firearm malfunction, execute the appropriate corrective step and verify the problem has been resolved. (iSLO 2)
 2. Perform firearms repair and maintenance procedures on the large variety of firearms common to retail Gunsmithing operation. (iSLO 2)

- **Associate in Science Degree General Gunsmithing**
 1. Perform appropriate custom alterations and modifications as related to a specific custom field in Gunsmithing. (iSLO 2)
 2. Diagnose a specific firearm malfunction, execute the appropriate corrective step and verify the problem has been resolved. (iSLO 2)

- **Certificate of Accomplishment Gunsmith Machinist and Metal Finishing**
 1. Design and machine firearm parts and fixtures using the appropriate tools and techniques. (iSLO 2)
 2. Apply the appropriate polishing technique and finish to metal firearms parts. (iSLO 2)

- **Certificate of Accomplishment Long Gun**
 1. Diagnose specific long gun malfunction, execute the appropriate corrective step and verify the problem has been resolved. (iSLO 2)

- **Certificate of Accomplishment Riflesmith**
 1. Perform appropriate custom rifle alterations and modifications. (iSLO 2)
 2. Diagnose specific rifle malfunction, execute the appropriate corrective step and verify the problem has been resolved. (iSLO 2)

- **Certificate of Accomplishment Pistolsmith**
 1. Diagnose specific handgun malfunction, execute the appropriate corrective step and verify the problem has been resolved. (iSLO 2)

Planning Agenda:

Re-evaluate the Gunsmithing Program mission statement, goals and program objectives with the input of the Advisory Committee (See Appendix A: Gunsmithing Advisory Committee Roster).

II Student Outcomes

A. Trends and Patterns in Student Outcomes

Our transfer numbers for the last 4 years are zero and will remain so. As a vocational program with terminal degrees and certificates, our students' goals are to receive their degree or certificate and enter the workforce, not to transfer.

The following data is for the award of degrees and certificates.

Academic Year	10/11	11/12	12/13	13/14
AS Degree – General Gunsmithing	1	5	4	2
AS Degree – Firearms Repair	1	5	4	2
Certificate of Achievement – General Gunsmithing	5	15	8	8
Certificate of Achievement – Firearms Repair	5	11	7	7
Certificate of Achievement – Long Gun	5	12	9	8
Certificate of Achievement – Pistolsmith	5	18	7	9
Certificate of Achievement – Riflesmith	6	18	9	9
Certificate of Achievement – Gunsmith Machinist and Metal Finishing	11	16	10	10

The following table is the program completion data for the last four years.

10/11			11/12			12/13			13/14		
SU	FA	SP	SU	FA	SP	SU	FA	SP	SU	FA	SP
99%	98%	99%	100%	99%	98%	100%	100%	100%	99%	99%	99%

The following table is the student success rate for the last four years.

10/11			11/12			12/13			13/14		
SU	FA	SP	SU	FA	SP	SU	FA	SP	SU	FA	SP
99%	91%	91%	100%	88%	90%	100%	97%	94%	96%	94%	93%

The following data is the student job placement within the industry and was compiled from data furnished by individual students. The data reflects only a portion of the students that are employed in the field from 2008-2015.

Richard Nola	J&G Gunsmithing	Ian Hendricks	J&G Gunsmithing
Peter Coelho	J&G Gunsmithing	David Meehan	Meehanovich Gunsmithing
Dave Sheppard	R&G Gunsmiths	Melissa Sheppard	R&G Gunsmiths
Garrett Schmidt	Cooper Firearms	Brian Scott	Scott Firearms
Wes Brians	Nosler Custom	Jeff Patterson	Savage
Jeff Brewton	Lock & Load Gunsmithing	Berge Kerkorian	2 nd Amendment Sports
Nick Calcagni	U.S. Ordinance	Tyler Norona	U.S. Ordinance
Dustin Debella	Weatherby, Inc.	Greg Weeks	U.S. Ordinance
Dean Miller	Tussey Custom	John Indell	Tussey Custom
Sam Schutz	California Highway Patrol	Kyle Yoshimura	J&G Gunsmithing

Description/Evaluation

The number of AS Degrees awarded over the last four years remains low. Potential causes for this may be attributed to a few factors, including but not limited to:

- Lack of desire/motivation to achieve an AS Degree. Generally not required for employment in this field.
- Accessibility to general education classes within the 2 year degree schedule (Reference Section 2c).
- Satisfaction with the ability to obtain employment in the otherwise slow economy.

The NRA courses offer a Certificate of Completion upon completing the course. Along with these Certificates, a POST Certification is awarded when appropriate and is used by the student (typically a law enforcement officer) to satisfy the continuing education requirements of their employment.

Job placement data is only available when students receive assistance in acquiring a job from a faculty member, or when the student informs a faculty member of their employment status after leaving the Program. Therefore this data potentially represents only a portion of the overall statistics, and for that reason no further evaluation is offered

Planning Agenda:

The Gunsmithing Program recommends that the Office of Institutional Research employ sufficient tracking mechanisms to provide sufficient job placement data for evaluation. If necessary, the Gunsmithing Department will work with the Research Department to provide information regarding students when available, provided a standardized means to report is established.

B. Student Learning Outcome Assessment

SLO assessment is important to maintain and improve an effective learning experience for LCC students. Evaluating SLO results regularly is helpful for evaluating student learning and identifying emerging program needs. By contract,

faculty are required to measure at least one SLO for every class taught each semester. SLO assessments were not provided by Institutional Research at the time this IPR was prepared.

Description/Evaluation:

SLO's are assessed by projects completed by the student during the student's course work. We have not made any changes based on SLO assessment. The changes we have made have been based on industry needs and with the advice of our advisory committee. The use of SLOs as a method evaluating this program is redundant, we have empirical data. When our students receive their degree or certificate and enter the workforce the program has been successful.

Planning Agenda:

Complete SLO assessment plans for all GSS courses and SLOs. Institutional Effectiveness Office should provide SLO Assessment summary.

C. Student Evaluation Summary

Description/ Evaluation:

We do not have student evaluations to summarize as this information was not available at the time this IPR was prepared.

Due to unavailability of Student Evaluation Data, recommendations cannot be completed.

Planning Agenda:

Student Evaluation data must be provided by Institutional Effectiveness & Planning.

III. Curriculum

A. Degrees and/or Certificates

Description/ Evaluation:

A.S. Degree in General Gunsmithing – 60 Units

Required Core Courses – 36 Units General Education Requirements – 18 Units

Course #	Units	Course Title
GSS 50.01	1	Recoil Pad & Sling Swivel Installation
GSS 50.03	1	Open and Optical Sight Installation
GSS 51.05	1	Glass Bedding for Strength and Accuracy
GSS 52.01	2	Gunsmith Machining 1
GSS 52.02	2	Gunsmith Machining 2
GSS 52.03	2	Gunsmith Machining 3
GSS 52.04	1	Gunsmith Machining 4
GSS 52.05	1	Gunsmith Machining 5
GSS 52.06	1	Gunsmith Machining 6
GSS 54.05	1	Hardening & Tempering of Carbon Steels
GSS 55.04	1	Stock Refinish and Repair
GSS 56.01	1	Headspace
GSS 56.03	1	Bolt Action Barrel Fitting
GSS 57.03	1	Action and Bolt Modifications
GSS 58.02	1	Pressure and Pillar Bedding
GSS 59.02	1	Metal Preparation for Caustic Bluing
GSS 60.04	1	DFR Pump Shotguns
GSS 61.01	1	DFR Single Action Revolvers
GSS 62.03	1	Misfire Correction
GSS 62.04	1	Correcting Oversize Firing Pin Holes
GSS 63.05	1	Double Guns, Hingepins and Headspace
GSS 64.01	1	Composition Stock Fitting, Bedding, Finishing
GSS 67.01	1	Blowback Principle
GSS 69.03	1	DFR Lever Action Rifles
GSS 70.01	1	DFA Triggers 1
GSS 71.01	1	DFR .22 Autos
GSS 73.02	1	Spring Making
WT 31	3	GTAW for Gunsmiths
WT 32	3	Advanced GTAW for Gunsmiths

Electives: 12 Units (The student may select any courses numbered 1-99 to satisfy this requirement.

A.S. Degree in Firearms Repair – 60 Units

Required Core Courses – 42 Units

General Education Requirements – 18 Units

Course #	Units	Course Title
GSS 50.01	1	Recoil Pad & Sling Swivel Installation
GSS 50.03	1	Open and Optical Sight Installation
GSS 51.01	1	Stock Inletting
GSS 51.05	1	Glass Bedding for Strength and Accuracy
GSS 51.06	1	Wood Stock Finishing
GSS 52.06	1	Gunsmith Machining 6
GSS 54.05	1	Hardening and Tempering of Carbon Steels
GSS 56.03	1	Bolt Action Barrel Fitting
GSS 57.01	1	Bolt Action Breeching and Headspace
GSS 57.03	1	Action and Bolt Modifications
GSS 59.02	1	Metal Preparation for Caustic Bluing
GSS 60.01	1	DFR Recoil Operated Shotguns
GSS 60.02	1	DFR Gas Operated Shotguns
GSS 60.04	1	DFR Pump Shotguns
GSS 61.01	1	DFR Single Action Revolvers
GSS 61.02	1	DFR Smith & Wesson Revolvers
GSS 61.03	1	DFR Colt Revolvers
GSS 62.03	1	Misfire Correction
GSS 62.04	1	Correcting Oversize Firing Pin Holes
GSS 63.02	1	Ejectors
GSS 63.03	1	Double Gun Locks
GSS 64.01	1	Composition Stock Fitting, Bedding, Finish
GSS 66.02	1	Revolver Barrel Fitting and Ranging
GSS 67.01	1	Blowback Principle
GSS 68.01	1	DFR Locked Breech Single Action Autopistol
GSS 68.02	1	DFR Locked Breech Double Action Autopistol
GSS 68.03	1	DFR Blowback Autopistols
GSS 69.01	1	DFR Auto Rifles
GSS 69.02	1	DFR Pump Rifles
GSS 69.03	1	DFR Lever Action Rifles
GSS 70.01	1	DFA Triggers 1
GSS 71.01	1	DFR .22 Autos
GSS 71.02	1	DFR Bolt Action .22's
GSS 71.03	1	DFR Pump and Lever Action .22's
GSS 71.04	1	DFR Marlin Model 39
GSS 75.02	1	Firearm Laws and Regulations
WT 31	3	GTAW for Gunsmiths
WT 32	3	Advanced GTAW for Gunsmiths

Certificate of Accomplishment – Gunsmith Machinist and Metal Finishing : 16 Units

Course #	Units	Course Title
GSS 50.01	1	Recoil Pad & Sling Swivel Installation
GSS 50.03	1	Open and Optical Sight Installation
GSS 52.01	2	Gunsmith Machining 1
GSS 52.02	2	Gunsmith Machining 2
GSS 52.03	2	Gunsmith Machining 3
GSS 52.04	1	Gunsmith Machining 4
GSS 52.05	1	Gunsmith Machining 5
GSS 52.06	1	Gunsmith Machining 6
GSS 54.05	1	Hardening and Tempering of Carbon Steels
GSS 59.02	1	Metal Preparation for Caustic Bluing
GSS 59.03	1	Parkerizing
GSS 59.04	1	Color Case Hardening
GSS 59.09	1	Alternative Metal Finishing

Certificate of Accomplishment – Long Gun : 16 Units

Course #	Units	Course Title
GSS 51.06	1	Wood Stock Finishing
GSS 52.06	1	Gunsmith Machining 6
GSS 54.05	1	Hardening and Tempering of Carbon Steels
GSS 60.01	1	DFR Recoil Operated Auto Shotguns
GSS 60.02	1	DFR Gas Operated Auto Shotguns
GSS 60.04	1	DFR Pump Shotguns
GSS 66.01	1	Non-Bolt Action Rifle Barrel Fitting
GSS 69.01	1	DFR Auto Rifles
GSS 69.02	1	DFR Pump Rifles
GSS 69.03	1	DFR Lever Action Rifles
WT 31	3	GTAW for Gunsmiths
WT 32	3	Advanced GTAW for Gunsmiths

Certificate of Accomplishment – Pistolsmith : 16 Units

Course #	Units	Course Title
GSS 52.06	1	Gunsmith Machining 6
GSS 54.05	1	Hardening and Tempering of Carbon Steels
GSS 61.01	1	DFR Single Action Revolvers
GSS 61.02	1	DFR Smith & Wesson Revolvers
GSS 61.03	1	DFR Colt Revolvers
GSS 66.02	1	Revolver Barrel Fitting and Ranging
GSS 67.01	1	Blowback Principle
GSS 68.01	1	DFR Locked Breech Single Action Autopistol
GSS 68.02	1	DFR Locked Breech Double Action Autopistol
GSS 68.03	1	DFR Blowback Autopistol
WT 31	3	GTAW for Gunsmiths
WT 32	3	Advanced GTAW for Gunsmiths

Certificate of Accomplishment – Riflesmith : 16 Units

Course #	Units	Course Title
GSS 51.01	1	Stock Inletting
GSS 51.05	1	Glass Bedding for Strength and Accuracy
GSS 51.06	1	Wood Stock Finishing
GSS 55.04	1	Stock Refinish and Repair
GSS 56.01	1	Headspace
GSS 56.03	1	Bolt Action Barrel Fitting
GSS 56.04	1	Barrel Contouring
GSS 57.01	1	Bolt Action Breeching and Headspace
GSS 57.15	1	Bolt Action Rifle Feeding
GSS 57.02	1	Action Blueprinting
GSS 57.03	1	Action and Bolt Modifications
GSS 57.06	1	Truing exterior of Action
GSS 57.08	1	Bottom Metal Modifications
GSS 58.02	1	Pressure and Pillar Bedding
GSS 62.04	1	Correcting Oversize Firing Pin Holes
GSS 64.01	1	Composition Stock Fitting, Bedding, Finishing

Planning Agenda:

Continue to work with our advisory committee to update our classes and remain current with the industry.

B Courses

Description/Evaluation:

1. Identify courses added or deleted from the instructional program since the last instructional program review.

No classes have been added or deleted since the last IPR

2. Each course offered within the instructional program must be reviewed for accuracy and currency (see Attachment I, Course List by Program).

Complete course review completed spring of 2014. (See Appendix B: Instructional Program Curriculum Review Form)

Planning Agenda:

Continue to work with our advisory committee to update our classes and remain current with the industry.

III. Scheduling and Enrollment Patterns

Description/ Evaluation:

1. Describe and explain any deviation from the two-year plan in course scheduling during the last four years.

There has been no deviation from the two year plan in course scheduling during the last four years.

2. Evaluate the relationship between schedule, enrollment patterns and FTE generated statistics

The Full Time Gunsmithing Program accepts 22 new students per year and all 22 students follow the same schedule therefore our enrollment patterns and FTE's are not affected by scheduling. The Gunsmithing Program has set a goal of 44 full time students, 22 first year and 22 second year. This number reflects the operational capacity of the Gunsmithing Facility. This number of students would generate at least 704 enrollments equaling 52.3 FTES per semester.

The NRA Summer course schedule has been consistent over the last four years and enrollment has remained fairly steady. Scheduling our Law Enforcement Armorer Courses in July when the new fiscal year begins has assisted many law enforcement agencies in being able to send their employees. Due to the lack of repeatability implemented by the Chancellor's Office and our consistency in scheduling the same courses each summer, enrollment has fallen due to our students' inability to retake courses.

Advertising and recruiting the programs across the board needs to be a key goal in order to increase enrollment. Access to program information on the college website is difficult, and it is recommended that this is addressed. Furthermore, recruiting efforts have been limited to 2 gun shows in Reno, NV per year, yet they have generated some enrollments.

3. Using FTE data provided, evaluate how the scheduling of courses within the program has served the needs of a variety of students (e.g. day, evening, single parents, employed full-time).

All of the core courses for the degrees and certificates are offered each year during the fall and spring semesters. There are typically two courses that are offered concurrently each week on campus, resulting in a two year schedule of classes for the degree driven student. Most of the certificates can be completed in a single year, depending upon potential scheduling conflicts between first and second year classes being offered during the same week.

The NRA program is offered during the summer semester, and is typically composed of two to four course offerings in a given week. The schedule is designed around a basic set of core classes offered each year, as well as courses that are offered on a rotating two or three year basis. California Peace Officers Standards and Training (POST) and Certified Law Enforcement Armorers Schools (LEAS) classes comprise a portion of the summer course offerings. Upon the completion of each course, the student is awarded a Certificate of Completion by the NRA. The NRA Program has the potential to accommodate up to 750 enrollments, and has been near that number in the past.

4. Evaluate student access to general education courses within the context of the scheduling of the instructional program courses.

It is difficult for students to take general education courses while completing the gunsmithing courses due to the length of time gunsmithing students are in the lab.

Planning Agenda:

1. It is recommended that a recruiting and advertising program be established and funded to promote the programs.
2. Increase the number of enrollments in the NRA program. This can be accomplished by modeling the upcoming NRA schedules after those that generated large numbers, offering courses with instruction from well-known industry figures, and increased timely advertising.
3. Establish Equivalency guidelines in order to bring industry recognized instructors to the program which will increase enrollments.

IV. Equipment

Description/ Evaluation:

1. List capital outlay equipment, age of equipment and replacement schedule

The classroom for the Gunsmithing Program is located in the Vocational- Technical building, room VT-104, along with a program office located in VT-110 and a storage room (referred to as the armory) in VT-102. The remainder of the program is located in the GS building, which is immediately adjacent to the Voc-Tech building. The GS building includes work benches, grinders, welders, saws, lathes, milling machines, caustic bluing equipment, sandblasting equipment, and a wide range of small tooling. The major equipment is outlined below:

- 20 Metal turning lathes
 - 2 lathes less than 5 years old
 - 8 lathes 5 to 10 years old
 - 9 lathes unknown age (two are WWII vintage)
 - 1 lathe is non-operational
- 6 Milling machines

- 2 mills less than 5 years old
- 2 mills approx. 30 years old
- 1 mill over 50 years old
- 1 CNC mill w/ attachments, less than 10 years old
 - 2 Welders, Tungsten Inert Gas (TIG)

2. Evaluate the condition of capital outlay equipment in light of the replacement schedule and available funds.

Most of our equipment is in good condition with the exception of our oldest mills and lathes. To my knowledge there is no replacement schedule or any available funds to replace any equipment, with the exception of VETA funds of course.

3. Evaluate the effectiveness of and need for additional maintenance/service agreements.

The effectiveness of the current maintenance program is questionable, currently faculty and staff perform maintenance only when it becomes necessary, we are gunsmiths not lathe and mill mechanics.

With a half a million dollars' worth of equipment in our shop I would think the need for a service agreement would be obvious. A service agreement would extend the accurate service life of most machines by years.

4. Justify any proposed modification or additions to equipment available for students and/or faculty/instructional assistants within the program.

We currently have no modifications or additions to the equipment except to continue to replace aging shop equipment used for instruction as funds become available.

Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning, Student Services Planning, Facilities Planning, or Technology Planning Forms as appropriate for any recommendations requiring institutional action.

1. Replace aging shop equipment as appropriate and/or needed.
2. Establish service agreements.
3. Increase equipment repair budget.

VI. Prioritized Recommendations

A. Prioritized Recommendations for Implementation by Program Staff

List all recommendations made in Section One that do not require institutional action (ie. curriculum development) in order of program priority.

1. Increase the number of enrollments in the NRA program. This can be accomplished by modeling the upcoming NRA schedules after those that generated large numbers, offering courses with instruction from well-known industry figures, and increased timely advertising.
2. Establish Equivalency guidelines in order to bring industry recognized instructors to the program which will increase enrollments.

B. Prioritized Recommendations for Inclusion in the Planning Process

List all recommendations made in Section One that should be included in Lassen College’s planning and budgeting process, specifically in the Educational Master Plan, Student Services Master Plan, or Institutional Effectiveness Master Plan. Separate recommendations into the appropriate plan(s). Items to be included in the Human Resource Master Plan, Institutional Technology Master Plan, or Facilities Master Plan should be addressed in Sections Two, Three or Four in lieu of or in addition to inclusion in the Academic Master Plan. See Appendix C for Master Plan Overview to determine where recommendations are best placed.

Prioritized Recommendations for Inclusion in Education Master Plan

Program & Year (i.e. Automotive Technology 2014)

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
4	Increase Supply Budget	July 2016	\$15000.00	Increased Student Success
4	Increase Equipment Repair Budget	July 2016	\$3000.00	Increased Student Success
3	Establish service agreements	Unknown	Unknown	Decreased cost of machine replacement.
4	Establish a recruiting and advertising program	Unknown	Unknown	Program promotion

Prioritized Recommendations for Inclusion in Institutional Effectiveness Master Plan

Program & Year (i.e. Automotive Technology 2014)

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
1	Office of Institutional Research needs to employ sufficient tracking mechanisms to provide	Fall 2016	Unknown	Sufficient job placement data for evaluation.
1	SLO data must be provided by Institutional Effectiveness & Planning.	Fall 2016	Unknown	Required data included in planning.
1	Student Evaluation data must be provided by Institutional Effectiveness & Planning.	Fall 2016	Unknown	Required data included in planning.

SECTION TWO: HUMAN RESOURCE PLANNING

I. Program Staffing

Description/ Evaluation:

1. List the current staffing for the program include: full-time and part-time faculty positions, instructional assistants and classified staff

Full Time Faculty	Part Time Faculty	Classified Employees
John Martin	Robert Chavez	Carol Growdon
Buck Bauer	James Tucker	Jonathan Herring ISS
	Robert Hamilton	
	Brent Mumma	

2. This section provides an opportunity for analysis and justification of projected staffing needs to support the program. Clerical support by the Office of Academic Services and work-study needs may be included.

Current full time faculty and classified employees seem to be appropriate at current student enrollment levels, however part time faculty pool needs to be expanded. Three of the four part time faculties are currently used to their maximum load and the fourth will only teach the classes he currently does. If there is a medical problem or someone won't teach we have no one to replace them.

Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning and Human Resources Planning Forms as appropriate for any recommendations requiring institutional action.

The Gunsmithing Program offers no recommendations regarding faculty positions for on-campus courses at this time. However, if enrollment increases substantially it is recommended that the staffing plan be re-evaluated.

II. Professional Development

Description/ Evaluation:

1. If available, reference Flex Contracts for full-time faculty teaching in the program for each of the last two years.

Full time faculty are meeting Flex obligations. Records are on file in Academic Services.

The IPR is our flex every other year and usually the SHOT Show or a couple gun show in between.

The NRA Coordinator has attended several seminars and conferences within the industry. The following are examples:

- SHOT Show
- NRA Convention

2. Describe the professional development and professional activities of the program faculty/instructional assistants in addition to flex obligation relevant to program improvement that has occurred during the period under review. (workshops, conferences, staff development, sabbatical leaves, work experience, etc.)

None, we have asked for several professional development trips but all been denied.

Faculty have need for CNC training and training at manufactures to maintain current industry knowledge.

Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning and Human Resources Planning Forms as appropriate for any recommendations requiring institutional action.

Continue to ask for professional development.

III. Student Outcomes

Description/ Evaluation:

Describe any results from assessment of learning outcomes that affect human resource planning

None

Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning and Human Resources Planning Forms as appropriate for any recommendations requiring institutional action.

None

IV. Prioritized Recommendations

Prioritized Recommendations for Implementation by Program Staff

List all recommendations made in Section Two that do not require institutional action (ie. curriculum development) in order of program priority.

None.

Prioritized Recommendations for Inclusion in the Planning Process

List all recommendations made in Section Two that should be included in Lassen College's planning and budgeting process. See Appendix C for Master Plan Overview to determine where recommendations are best placed.

Prioritized Recommendations for Inclusion in Human Resource Master Plan

Program & Year (i.e. Automotive Technology 2014)

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
4	Training for CNC	Fall 2016	\$3000.00	Expand Classes
4	Training at Manufactures	Fall 2016	\$10000.00	Remain current in the industry and be able to offer our students current information

SECTION THREE: FACILITIES PLANNING

I. Facilities

Description/ Evaluation:

1. Describe and evaluate the Lassen Community College facilities available to the program.

- Facilities:

The current facility offers an operational capacity of approximately 44 Full Time enrolled students. The machine shop located in GS 101 is the major limiting factor, restricting the first year enrollment to 25 students in the GSS 52.01-52.06 machine shop series of courses due to availability of machinery (there are 20 lathes in the shop). These courses are essential for the development of basic skills in the program.

The current location of the gunshop has also raised concerns. The Child Development Center is located directly across the parking lot, Student Services has moved in to the Vocational- Technical Building, and this is all located near the center of campus. These factors raise a few problems, such as test firing firearms outside of the shop and the visibility of firearms on campus to the non-gunsmithing student and community. It has been discussed that these issues have made it extremely difficult for the college to establish an Active Shooter Emergency Plan, as the typical models for such a plan are all triggered by the visibility of firearms and the sounds of gunshots; both of which are currently commonplace at LCC.

It is with these limitations and concerns regarding the current facility that the Gunsmithing Faculty has begun to assess the situation and search for alternatives.

We have asked for a storage area adjacent to GS 101 many times it has slowly become a safety concern. At one point it was in the top ten on the budget prioritization list but has since vanished. We have many small pieces of equipment that are used for 3 or 4 classes a year but we have nowhere to put them so they are currently cluttering up the shop and creating safety hazard.

2. Justify any proposed modifications or additions to existing facilities that would better serve the program planned for the next five years.

Feasibility study of a new facility in conjunction with an indoor range to allow management to make informed decision in regards to the future/expansion and safety of the gunsmithing program.

Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning, Facilities Planning, and Technology Planning Forms as appropriate for any recommendations requiring institutional action.

1. It is recommended that surveys be created to accurately evaluate the student, community, and law enforcement needs for a new facility with the input of the Advisory Committee
2. It is recommended that the study into the feasibility of a new facility in conjunction with an indoor range be continued in order to expand offerings to meet advisory committee recommendations and increase enrollments.
3. It is recommended that potential sources of funding for a new facility be studied
4. It is recommended that potential locations for such a facility be identified

II. Prioritized Recommendations

Prioritized Recommendations for Implementation by Program Staff

List all recommendations made in Section Three that do not require institutional action (ie. curriculum development) in order of program priority.

None

Prioritized Recommendations for Inclusion in the Planning Process

List all recommendations made in Section Three that should be included in Lassen College's planning and budgeting process. See Appendix C for Master Plan Overview to determine where recommendations are best placed.

1. Feasibility study of a new facility in conjunction with an indoor range
2. Add a storage facility adjacent to the gunshop to store program equipment and eliminate safety concerns regarding the storage of equipment

Prioritized Recommendations for Inclusion in Facilities Master Plan

Program & Year (i.e. Automotive Technology 2014)

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
1	1. It is recommended that surveys be created to accurately evaluate the student, community, and law enforcement needs for a new facility with the input of the Advisory Committee	Unknown	Unknown	Allow management to make informed decision in regards to the future/expansion and safety of the gunsmithing program.
3,4	2. It is recommended that the study into the feasibility of a new facility in conjunction with an indoor range be continued in order to expand offerings to meet advisory committee recommendations and increase enrollments.	Unknown	Unknown	Allow management to make informed decision in regards to the future/expansion and safety of the gunsmithing program.
3	3. It is recommended that potential sources of funding for a new facility be studied	Unknown	Unknown	Allow management to make informed decision in regards to the future/expansion and safety of the gunsmithing program.
3	4. It is recommended that potential locations for such a facility be identified			Allow management to make informed decision in regards to the future/expansion and safety

				of the gunsmithing program.
4	5. Add a storage facility adjacent to the gunshop to store program equipment.	Unknown	Unknown	Eliminate safety concerns regarding the storage of equipment.

SECTION FOUR: TECHNOLOGY PLANNING

I. Technology

Description/ Evaluation:

1. Describe and evaluate technology and technology support provided for instruction and instructional support.

The gunsmithing program currently has document cameras, projectors and flat screen displays.

2. Describe any technology and technology support needs identified by assessment of student learning outcomes.

The gunsmithing program has all the technology it needs.

Planning Agenda:

None

II. Prioritized Recommendations

Prioritized Recommendations for Implementation by Program Staff

List all recommendations made in Section Four that do not require institutional action (ie. curriculum development) in order of program priority.

None

**Gunsmithing Instructional Program Review
Status of Curriculum Review January 8, 2015**

**LASSEN COMMUNITY COLLEGE GUNSMITHING
TRADE ADVISORY COMMITTEE
Board Approved May 12, 2015**

Mr. Martin Scott Voting
Owner/Scott Gunwerkes
Email: junwerker@charter.net
Specializes in repair of revolvers and pistols

Mr. Mike Lake Voting
Plant Manager Nosler INC.
Email: mlake@yahoo.com

Mr. Peter Coelho Voting
Lead Gunsmith/J & G Gunsmithing
Specialized in general repair and sales

Mr. Ken Nickerson Voting
Remington Arms Company Inc.
Email: Ken.Nickerson@remington.com
Manager field Service Support/Law Enforcement Training Division/Remington Arms/Marlin/H&R/Bushmaster

Mr. Kelley Merritt Voting
Susanville Police Department
Email: kmerritt835@yahoo.com

Mr. Steve Taylor Voting
Retired Instructor (Welding and Gunsmithing)
Email: hawkfarms@frontiernet.net

Mr. Wesley Brians Voting
Nosler Custom
Email: wesleyb@nosler.com

Mr. Buck Bauer Non-Voting
Full-time Instructor Gunsmithing Program,
Lassen Community College

Mr. John Martin Non-Voting
Full-time Instructor Gunsmithing Program,
Lassen Community College

Ms. Carol Growdon Non-Voting
NRA/Gunsmithing/Post Coordinator, Lassen Community College

Gunsmithing – NRA

First let me personally thank each and every one of you for taking the time out of your busy schedule and agreeing to be a member of this committee. It is your input that helps us shape our program, to remain current and to continue to be the premier gunsmithing program in the nation.

Last year's progress:

1. GSS 61.03 has been rewritten to include Ruger Double Action Revolvers
2. Buck Bauer has been hired full-time to replace Andrew Faircloth who resigned last spring.

Questions for the upcoming year:

1. Curriculum:

- a. Elimination of GSS 69.04 Non-Bolt Action Feeding, I believe there is ample time in the appropriate classes (Auto Rifles, Lever Rifles etc.) to add these projects. A replacement class hasn't been suggested yet. Please do.

Support Oppose

- b. Rewrite GSS 66.03 .22 Barrel Fitting to include barrel lining. A skill which I have used many times myself and believe would be of great benefit to our graduates

Support Oppose

2. Facilities:

- a. As noted in our IPR, the program currently has five lathes and three mills that are in desperate need of replacement. Ideas for funding would be helpful.

Support Oppose

- b. As noted in our IPR, the program is in need of updating our testfire system from a dry, exposed system to a new, safer wet system that could be enclosed to help with noise abatement.

Support Oppose

- c. As noted in our IPR, the program is in desperate need of a storage area adjacent to the gunsmithing building. Moving the equipment across campus is not only time consuming but very detrimental to some of this equipment. This project was sent to the facilities planning committee several years ago where apparently died so we will try again.

Support Oppose

- d. As noted in our IPR, the program has out grown its current facility and is in need of a larger facility. Last year alone we turned away 41 potential full time students that went through the process to get on the waiting list. We have no idea how many just applied to another school. While our summer program is down in enrollment due to lack of effective recruitment. The program is also down to one classroom with the relocation of student services to the vocational building several years ago.

Support Oppose

3. Budget:

- a. Any increase to the supply budget. The programs supply budget has basically remained stagnate for at least the last ten years and in the face of increased student load and the increases in the costs of supplies our ability to supply the basic needs of our students is in question. Despite the repeated requested for increases to our supply budget, in our IPRs and budget enhancement forms, our ability to provide the basic needs for our student's remains in question.

Support Oppose

b. Equipment repair budget is totally inadequate and needs to be increased. Yearly allocations for this budget typically run \$850.00. Just replacement parts can run as high as \$2500.00 in an average school year. The difference between the two comes out of our supply budget further reducing our ability to provide for our students.

Support Oppose

c. Travel Budget needs to be increased if we are going to have effective recruiting for the summer program. Our travel budget has also remained stagnate over the years. The decrease in recruiting is obvious if you look at the summer enrollment, it has declined from its peak over 650 students to around 400 for summer 2013.

Support Oppose

That concludes the questions I have for you.

My plan is to update you in the spring of 2015 and there may be additional questions I will need your help with.

Please respond no later than October 31, so your opinion can be included in the 2015 Program Review. Any additional questions/comments/concerns would be more than welcome and encouraged. This can be filled out and returned by email or printed filled out and mailed back to me at the address below.

If you have any questions or need to contact me I can be reached at 530-251-8809 or by email.

Again I would like to thank you for your time and consideration.

John Martin
Gunsmithing Instructor
Lassen College

LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS

**Gunsmithing Instructional Program Review:
Status of Curriculum Review January 8, 2015**

Course	Curriculum Committee Review Completed	Curriculum Committee Review <u>Not</u> Completed
GSS 50 – Fundamentals of Rifle Shooting	03/25/2014	
GSS 50.01 Recoil Pad and Sling Swivel Installation	03/25/2014	
GSS 50.03 Open and Optical Sight Installation	03/25/2014	
GSS 51 – Fundamentals of Pistol Shooting	03/25/2014	
GSS 51.01- Stock Inletting	03/25/2014	
GSS 51.05- Glass Bedding for Strength and Accuracy	03/25/2014	
GSS 51.06 -Wood Stock Finishing	03/25/2014	
GSS 52 – Fundamentals of Shotgun Sh0oting	03/25/2014	
GSS 52.01–Gunsmith Machining 1	03/25/2014	
GSS 52.02–Gunsmith Machining 2	03/25/2014	
GSS 52.03–Gunsmith Machining 3	03/25/2014	
GSS 52.04–Gunsmith Machining 4	03/25/2014	
GSS 52.05-Gunsmith Machining 5	03/25/2014	
GSS 52.06–Gunsmith Machining 6	03/25/2014	
GSS 52B Firearms Training	03/25/2014	
GSS 52BR Firearms Training Refresher	03/25/2014	
GSS 54.01 – Oxy Welding, Soft Soldering & Sliver Brazing	04/02/2013 (Inactive)	
GSS 54.02 – Gas Tungsten Arc Welding for Gunsmiths 1	04/02/2013 (Inactive)	
GSS 54.03 – Gas Tungsten Arc Welding for Gunsmiths 2	04/02/2013 (Inactive)	
GSS 54.05 – Hardening & Tempering of Carbon Steels	03/25/2014	
GSS 55.04 – Stock and Refinish & Repair	03/24/2014	
GSS 56.01 - Headspace	03/25/2014	
GSS 56.03 – Bolt Action	03/25/2014	

LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS

Barrel Fitting		
GSS 56.04 – Barrel Contouring	03/25/2014	
GSS 57.01 Bolt Action Breeching & Headspace	03/25/2014	
GSS 57.02 – Action Blueprinting	03/25/2014	
GSS 57.03 – Action & Bolt Modifications	03/25/2014	
GSS 57.06 – Truing Exterior of Action	03/25/2014	
GSS 57.08 – Bottom Metal Modification	03/25/2014	
GSS 57.15 – Bolt Action Rifle Feeding	03/25/2014	
GSS 58.02 – Pressure Bedding & Pillar Bedding	03/25/2014	
GSS 59.02 – Metal Prep. For Refinishing & Caustic Bluing	03/25/2014	
GSS 59.03 - Parkerizing	03/25/2014	
GSS 59.04 – Color Case Hardening	03/25/2014	
GSS 59.05 – Rust Bluing	03/25/2014	
GSS 59.07 – Niter Bluing & Heat Coloring	03/25/2014	
GSS 59.09 – Alternative Metal Finishes	03/25/2014	
GSS 60 – Firearms Safety	03/25/2014	
GSS 60.01 – DFR Recoil Operated Auto Shotguns	03/25/2014	
GSS 60.02 – DFR Gas Operated Auto Shotguns	03/25/2014	
GSS 60.04 – DFR Pump Shotguns	03/25/2014	
GSS 61.01 DFR Single Action Revolvers	03/25/2014	
GSS 61.02 – DFR Smith & Wesson Revolvers	03/25/2014	
GSS 61.03 – DFR Colt Revolvers	03/25/2014	
GSS 62.03 – Misfire Correction	03/25/2014	
GSS 62.04 – Correcting Oversize Firing Pin Holes	03/25/2014	
GSS 63.01 – Single Triggers	03/25/2014	
GSS 63.02 – Ejectors	03/25/2014	
GSS 63.03 – Double Gun Locks	03/25/2014	

LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS

GSS 63.04 – Double Gun Locking Systems	03/25/2014	
GSS 63.05 – Double Gun Hinge Pins & Headspace	03/25/2014	
GSS 64. 01- Composition Stock Fitting, Bedding & Finishing	03/25/2014	
GSS 66.01 – Non-Bolt Action Rifle Barrel Fitting	03/25/2014	
GSS 66.02 – Revolver Barrel Fitting and Ranging	03/25/2014	
GSS 66.03 – 22 Barrel Fitting	03/25/2014	
GSS 66.05 – Auto Pistol Barrel Fitting	03/25/2014 (inactive)	
GSS 67.01 – Blowback Principle	03/25/2014	
GSS 68.01 – DFR Locked Breech Single Action Auto Pistols	03/25/2014	
GSS 68.02 – DFR Locked Breech Double Action Auto Pistols	03/25/2014	
GSS 68.03 – DFR Blowback Auto Pistols	03/25/2014	
GSS 69.01 – DFR Auto Rifles	03/25/2014	
GSS 69.02 – DFR Pump Rifles	03/25/2014	
GSS 69.03 – DFR Lever Action Rifles	03/25/2014	
GSS 69.04 – Non-bolt Action Feeding	03/25/2014	
GSS 70 - Checkering	03/25/2014	
GSS 70.01 – DFR Triggers 1	03/25/2014	
GSS 70.02 – DFR Triggers 2	03/25/2014	
GSS 71 – Custom Rifle Seminar	03/25/2014	
GSS 71.01 – DFR .22 Auto	03/25/2014	
GSS 71.02 – DFR Bolt Action .22's	03/25/2014	
GSS 71.03 – DFR Pump and Lever Actions .22'a	03/25/2014	
GSS 71.04 – DFR Marlin Model 39	03/25/2014	
GSS 72 – Fiberglass Stockmaking	03/25/2014	

LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS


GSS 72. 01- Metallic Cartridge Reloading	03/25/2014	
GSS 73.02 – Spring Making	03/25/2014	
GSS 75.02 – Firearm Laws and Regulations	03/25/2014	
GSS 76 – Accurizing GAS-OP Rifles for Competition	03/25/2014	
GSS 77 - Accurizing M1-M1A Competition	03/25/2014	
GSS 78 – Design & Repair .22 Autopistals	03/25/2014	
GSS 79 – Basic Correctional Armorer’s School	03/25/2014	
GSS 80 – Custom Rifle Seminar - Metalsmithing	03/25/2014	
GSS 81 – Custom Rifle Seminar – Single Shot Rifle	03/25/2014	
GSS 82 – General Gunsmithing	03/25/2014	
GSS 83 – General Gunsmithing - Advanced	03/25/2014	
GSS 84 – LEAS D & R Colt & Ruger Revolvers	03/25/2014	
GSS 85 – LEAS D & R Smith & Wesson Revolvers	03/25/2014	
GSS 86 – LEAS D & R Shotguns	03/25/2014	
GSS 87 – LEAS D & R Double Action Autopistols 1	03/25/2014	
GSS 88 – LEAS D & R Double Action Autopistols 2	03/25/2014	
GSS 89 – LEAS D & R Full Automatic Firearms	03/25/2014	
GSS 90 – Customizing the Colt-Type Autopistol, Basic	03/25/2014	
GSS 91 – Customizing the Colt-Type Autopistol, Advanced	03/25/2014	
GSS 93 – LEAS D & R Counter Sniper Rifles	03/25/2014	
GSS 94 – Ballistics, Handloading & Testing	03/25/2014	
GSS 95 – Law Enforcement Armorer School - Basic	03/25/2014	
GSS 98.02- Cowboy Action Shooting Long Guns	03/25/2014	
GSS 98.03- Cowboy Action Shooting Short Guns	03/25/2014	

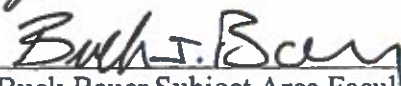
LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS


GSS 98.04 Advanced Knife Making	03/25/2014	
GSS 98.05 Design, Function and Repair Smith & Wesson Revolver	03/25/2014	
GSS 98.06 – DFR Patrol Rifles	03/25/2014	
GSS 98.08 – Custom Built 1911	03/25/2014	
GSS 98.09 – Color Case Hardening	03/25/2014	
GSS 98.12 Modern and Cowboy Action Belts and Holsters	03/25/2014	
GSS 98.13 – Metallurgy for Gunsmiths	03/25/2014	
GSS 98.21 – Hand Gun Special Projects	03/25/2014	
GSS 98.22 – Long Gun Special Projects	03/25/2014	
GSS 98.23 – Machine Shop Special Projects	03/25/2014	
GSS 98.24 – Stockmaking Special Projects	03/25/2014	
GSS 112 – Machine Shop for Gunsmiths	03/25/2014	
GSS 112B – Introduction to Knifemaking	03/25/2014	
GSS 114 – Basic Rifle Barreling	03/25/2014	
GSS 116 – Stockmaking – Phase I	03/25/2014	
GSS 117 – Gas Tungsten Arc Welding for Gunsmiths	03/25/2014	
GSS 119 – Advanced Rifle Barreling	03/25/2014	
GSS 120 – Stockmaking – Phase 2	03/25/2014	
GSS 120B – Stock Refinish and Repair/Recoil Pad Installation	03/25/2014	
GSS 123 – Basic Hard Metal Engraving	03/25/2014	
GSS 124 – Welding Fabrication for Gunsmiths	03/25/2014	
GSS 127 – Advanced Engraving	03/25/2014	
GSS 129A – Design Function	03/25/2014	


LASSEN COMMUNITY COLLEGE
STATUS OF CURRICULUM REVIEWS

and Repair- Spring Piston Airguns		
GSS 129B Design, Function and Repair-Pneumatic Air Guns	03/25/2014	
GSS 129B Design, Function and Repair-CO2 Air Guns	03/25/2014	
GSS 130 – Professional Engraving	03/25/2014	
GSS 133 - Scrimshaw	03/25/2014	
GSS 134 – Caustic Bluing	03/25/2014	
GSS 135 – Parkerizing	03/25/2014	
GSS 136- Cold Rust and Niter Bluing	03/25/2014	
GSS 143 – Custom Gunmaking - Muzzleloaders	03/25/2014	
GSS 147 – LEAS Assembly and Tuning of Gas Operated Repeating Rifles	03/25/2014	
GSS 148- Advanced Correctional Armorer School	03/25/2014	
AS – General Gunsmithing	03/25/2014	
AS – Firearm Repair	03/25/2014	
CA-General Gunsmithing	03/25/2014	
CA-Firearms Repair	03/25/2014	
COA-Gunsmith Machinist and Metal Finishing	03/25/2014	
COA-Long Gun	03/25/2014	
COA-Pistolsmith Certificate of Accomplishment	03/25/2014	
COA-Riflesmith Certificate of Accomplishment	03/25/2014	


 John Martin Subject Area Faculty Signature 4/2/15
Date


 Buck Bauer Subject Area Faculty Signature 4/2/15
Date


 Ms. Chery Aschenbach, Curriculum and Academic Standards Committee Chair Signature 4/13/15
Date


 Dr. Tammy Robinson, Vice President of Academic Services/AD Signature 4/2/15
Date