1. **CHECK PROPOSED CHANGES.** (Please check all that apply.) revised 2/18/04 NO repeat credit

| X☐ New course | ☐ Temporary course | ☐ Restored course |
| ☐ Variable credit | ☐ Repeat credit (cumulative maximum ___ hours) | ☐ Lecture-lab ratio (former ratio ______________) |
| ☐ Increase credit (former credit ____________) | ☐ Prefix (former prefix ________________) |
| ☐ Number (former number ____________) | ☐ Crosslisting (between WSU departments) (Must have both departmental signatures.) |
| ☐ Cooperative listing (UI prefix and number ______________) | taught by: WSU ☐ UI ☐ jointly taught ☐ |
| ☐ Conjoint listing (400/500) | ☐ Drop service course | ☐ S, F grading |
| ☐ Request to meet Writing in the Major [M] requirement (Must have All-University Writing Committee Approval.) |
| ☐ Request to meet GER in __________ | ☐ Fulfills GER lab (L) requirement in __________ |
| (Must have GenEd Committee Approval.) | |
| (Pharmacy & Veterinary Medicine courses only) | ☐ Professional course | ☐ Graduate credit (for courses in professional programs) |
| ☐ Other (please list) |

2. **COMPLETE COURSE INFORMATION.**

| E M | 567 |
| System Supportability and Logistics Management |
| course prefix | course no. |
| title abbreviation (12 digits including spaces) | S | Y | S | S | U | P | L | O | G |
| 3 | 3 |
| Graduate Standing |

| credit | lecture hrs | lab hrs | studio hrs | prerequisite |
| per week | per week | per week |

Description **(20 words or less)** The role of supportability and logistics engineering and management in a system life cycle, from concept to retirement.

Instructor: William J. Gray, Ph.D. Phone number: 253-208-3745 Effective term/year Spring 2014

| Patti Elshafei | 5-0125 | pelshafei@wsu.edu |
| Contact Person | Contact Phone No. | Contact email |

3. **GIVE REASONS FOR EACH REQUEST MARKED ABOVE.** (Attach additional paper.) Attached

4. **ATTACH DETAILED COURSE OUTLINE AND/OR ADDITIONAL MATERIAL.** (See reverse side.)

5. **SIGN AND DATE APPROVALS.**

| Chair/date | Dean/date | General Education Com/date |
| All-University Writing Com/date | Catalog Subcommittee/date | Academic Affairs Com/date |
| Senate/date | | |
Washington State University

EM 567 System Supportability and Logistics Management
Course Information

Course: EM 567 System Supportability and Logistics Management

Instructor: Dr. William J. Gray, Clinical Associate Professor of Engineering Management
Contact Info: Phone: 253-208-3745 (Verizon Cell Phone)
360-832-8411 (home)
e:mail: wgray@wsu.edu
On-Call hours: 8:00-4:30 Monday thru Friday

Required Material:

Course Time: Tuesday and Thursday, 5:15 to 7:30 pm, Live on Elluminate and archived on Elluminate. Two
hour or more laboratory team studies TBA with virtual teams.

Note: Before the first day of the semester, students who will be attending class session via
webstream should visit the Experience WSU web pages dedicated to webstreaming. These web
pages have information about webstream technology, including the phone number for Technical
Support of webstreaming. One important page, the System Requirements and Guidelines web
page, offers free downloads of essential software, information about the computer capabilities
and access rates, and links to test out webstreaming. Students should access these web pages by
going to: http://experience.wsu.edu/articles/guidelines.asp

Disabilities:
Reasonable accommodations are available for students with a documented disability. WSU Online and the Disability Resource Center (DRC) work together to provide reasonable accommodations for students who have documented disabilities and who are registered both with WSU Online and the DRC. WSU Online’s Liaison to the DRC will assist you in getting started. To begin this process, contact WSU Online (800-222-4978 or distance@wsu.edu). We strongly recommend that you notify us as soon as possible. All accommodations must be approved through Disability Resource Center (DRC).

Academic Honesty:
Academic integrity is the foundation of the academic community. Each student has the responsibility to be academically honest. Students are advised to read and understand the Washington State University policy for the standards of conduct and academic life.

Plagiarism:
Each student has the responsibility to be academically honest. WSU aims to foster and preserve the scholarly values of inquiry, experimentation, critical appraisal and integrity, and to foster these values in its students. ‘Academic Integrity’ is a term used at WSU to describe honest behavior as it relates to all academic work (for example papers written by staff, student
Goals/Objectives: The student shall:

1. Possess a general knowledge of ILS management to include terminology, techniques, conventions/best practices and standards.

2. Understand how the elements and concepts of Integrated Logistics Support (ILS) are applied to military and commercial systems with emphasis on systems management.

3. Understand logistics and maintenance support in the system life cycle—system requirements, requirements allocation, design participation, and design reviews.

4. Understand the measures of logistics and supportability—supply chain, purchasing and material flow, transportation and packaging, warehousing and distribution, maintenance organization, spares/repair parts, test and support equipment, maintenance facilities, computer resources, and technical data factors.

5. Be able to integrate ILS activities into the program technical disciplines in a general systems engineering effort.

6. Possess the ability to plan, organize, direct, and control the ILS program effort.

7. Understand Supportability analysis.

8. Understand supportability test and evaluation.
ETM Justification for New Course

Course: EM 567 System Supportability and Logistics Management

This course will introduce students to a disciplined approach to providing effective and efficient support and logistics management to complex systems. Many of the current and prospective students in the WSU Engineering and Technology Management program work in the field of logistics and system supportability. This course is intended to provide students an integrated systems approach for the system life cycle design and resource allocation of logistics and support to meet customer requirements.

This course was taught in Summer 2012 as a special topic EM 595. The course combines lectures, readings, and team projects throughout the course of study.

This course will serve as an elective to the master's degree requirement, giving students a broader range of choices to meet the particular needs of their industry. It will also be a requirement in the newly revised graduate certificate in Logistics and Supply Chain Management.
The course will be offered via Elluminate. Course times change each semester. Two times a week in the summer for the 8 week session; once a week in the fall and spring terms. Three credit hours so 2400 minutes a term.

Thank you for the new syllabus, it answers most of my questions. The one remaining is that there is no indication of how the class meets. Before there was a “Course Time” section that indicated TuTh for 135 minutes each time, and lab time TBA. This added up to more than 150 minutes of lecture / week for 3 hours of lecture credit. Now there is no meeting time indicated. Can you tell me how the course will be scheduled?

Thanks,
Scot

Scot Wherland
Professor of Chemistry
Boeing Science/Math Education
   Distinguished Professor  Voice: 509.335.3360
Department of Chemistry  FAX: 509.335.8867
Washington State University  Office: Fulmer 151
Pullman, WA 99164-4630  Email: scot_wheland@wsu.edu

Resolved grading, minutes, safety.
Course: **EM 567 System Supportability and Logistics Management**

Instructor: Dr. William J. Gray, Clinical Associate Professor of Engineering Management

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Copyright Notice
The content of this program and the video transmissions of the classes are the property of Washington State University and are to be viewed and used only by persons currently enrolled in this course. The materials provided in this program are copyrighted and unauthorized duplication is not allowed without permission of the copyright holders. Any other use requires the express written consent of the Instructor.

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Academic integrity is the foundation of the academic community. Each student has the responsibility to be academically honest. WSU aims to foster and preserve the scholarly values of inquiry, experimentation, critical appraisal and integrity, and to foster these values in its students. ‘Academic Integrity’ is a term used at WSU to describe honest behavior as it relates to all academic work (for example papers written by staff, student assignments, conduct in exams, etc) and is the foundation of university life. One of the main principles is respecting other people’s ideas and not claiming them as your own. Anyone found to have used another person’s ideas without proper acknowledgement is guilty of academic misconduct and the University considers this to be a serious matter.
WSU wants its students to display academic integrity so that its degrees are earned honestly and are trusted and valued by its students and their employers. To ensure this happens and that students adhere to high standards of academic integrity and honesty at all times, the University has policies and procedures in place to promote academic integrity and manage academic misconduct for all students. Students are advised to read and understand the Washington State University policy for the standards of conduct and academic life.

On Campus Safety
Washington State University is committed to maintaining a safe environment for its faculty, staff, and students on all campuses. Safety is the responsibility of every member of the campus community and individuals should know the appropriate actions to take when an emergency arises. In support of our commitment to the safety of the campus community the University has developed a Campus Safety Plan. It is highly recommended that you visit this web site http://oem.wsu.edu/ to become familiar with the information provided as well as the site for your specific campus if applicable.

- WSU Pullman: http://safetyplan.wsu.edu
- WSU Spokane: http://spokane.safetyplan.wsu.edu/
- WSU Tri-Cities: http://www.tricity.wsu.edu/safetyplan/
- WSU Vancouver: http://www.vancouver.wsu.edu/safety-plan

Incomplete Policy
Students who desire an Incomplete (I) grade must notify the professor in writing, complete an Incomplete Grade Agreement form and provide sufficient reason for the Incomplete request. Incompletes will only be considered if at least 50%
of point assignments required in the course are totally completed and submitted by the end of the course. Incompletes must be cleared by the tenth week of the following semester. Spring and summer incompletes must be cleared by the tenth week of the fall semester. Fall Incompletes must be cleared by the tenth week of the spring semester. If Incompletes are not completed by the deadline, the student must retake the class to have a grade change submitted. Students must have permission to register for future semesters if they have two or more incompletes on their transcripts. Students will not be allowed to graduate with an Incomplete on their transcript. Incompletes will automatically change to a Failing (F) grade if not cleared within one year.

**Homework:**

The instructor will assign homework during class and will be also posted to ANGEL Lessons tab with the class presentation material. Students will submit the questions by email to the instructor prior to the discussion of the homework in class the following class period.

**Class Discussions:**

The class time discussion will consist of a brief discussion of the text materials which are expected to be read in advance of class. The instructor will also add additional material found in the literature and references. Learner discussion responses will be by chat room, Elluminate audio or email.

**Online Discussions:**

I strongly encourage all learners to participate in online discussions between class sessions using the discussion features of the course site ANGEL software and the team collaboration Elluminate software. This provides a prime opportunity for learners to discuss issues sparked by readings or the class discussions. You can post questions and thoughts on the course material and respond to those posted by other class members.

**Team Class Project:**

A team class project topic will be selected by each team prior to Class 5. The topic may be selected from the list provided by the instructor or students interest in logistics management relating it to the general subjects of the text and approved by the instructor. Teams will schedule presentations (15 minutes long) to occur during the Class 14 and 15 class period of the term and will provide the instructor their desired scheduled time prior to Class 9.

**Technical Support:**

Students have access to consistent, helpful, LIVE support 24 hours a day, 7 days a week, 365 days a year. [http://angel.wsu.edu/Angel OL help.asp](http://angel.wsu.edu/Angel OL help.asp)
Exams: Two exams will be given throughout the course as given in the syllabus below.

Grading: Grading will be as follows:
- Exams- 50% (25% each)
- Team Project- 30%
- Homework - 20%

Grading Scale:
- A [94--100], A- [90--94],
- B+ [88--90], B [83--88], B- [80--83],
- C+ [77--80], C [73--77], C- [70--73],
- D [65--70],
- F [0--65]

Goals/Objectives: The student shall:

1. Possess a general knowledge of ILS management to include terminology, techniques, conventions/best practices and standards.

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6. Possess the ability to plan, organize, direct, and control the ILS program effort.

7. Understand Supportability analysis.

8. Understand supportability test and evaluation.
<table>
<thead>
<tr>
<th>Class</th>
<th>Date</th>
<th>Chapter</th>
<th>Logistics Eng. &amp; Mgmt.</th>
<th>Subject</th>
<th>Class Discussion</th>
<th>Special Topics</th>
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<td>Logistics in Design and Development (continued)</td>
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<td>Logistics in the Construction/Production Phase</td>
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<td>Logistics in the System Utilization, Sustaining Support, and Retirement Phases</td>
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