

MISSION COLLEGE CTE ARTICULATION AGREEMENT OVERVIEW AND BENEFITS

This Articulation Agreement is between MISSION COLLEGE and Milpitas High School. It affirms the commitment that each has with respect to program articulation.

Mission College and Milpitas High School staff, representing their respective educational programs, have met, analyzed, and compared the content and exit competencies of their course of instruction. They have agreed that the Milpitas High School class Sustainable Tourism articulates with Mission College's curriculum.

The attached Articulation Agreement shall be placed into effect on this date. This agreement will remain in effect until June 2020.

Benefits to the Students:

- Provides incentives for students to continue their education.
- Allows students to receive college credit and/or advanced placement through effort and achievement at the secondary schools, reducing duplication of effort and time, thus lowering costs.
- Provides students with assessment, placement, orientation and counseling services to ease the transition from secondary school to the college.
- Enhances job opportunities by helping students quickly acquire specific marketable job skills.

Benefits to Secondary Schools/Mission College:

- Supports matriculation by preparing students for an identified Program of Study/Career Pathway.
- Goal oriented, better prepared students increase retention.
- Provides the opportunity for the college to focus on higher-end courses within the Pathway.

Benefit to the Community and Industry:

- Allows industry and community opportunities for direct input into the curriculum.
- Improves communication with other educational entities and prospective employers.
- Provides employees with relevant competencies for career applications.

Benefits to Faculty:

- Secondary school instructors gain first-hand information about community college programs and services.
- Community college faculty gain information about secondary school programs and capabilities.
- Helps faculty understand how their courses fit into the overall Program of Study/Career Pathway.
- Connects faculty to their role as workforce development leaders within their community, assisting them to counsel students in Programs of Study/Career Pathways.

ARTICULATION AGREEMENT COURSE OVERVIEW PAGE
MISSION COLLEGE
CTE Articulation Form
School Year: 2018-2020

College	Mission College	HS	Milpitas High School
Course Name/#	FDRST 085	Course Name/H	Sustainable Tourism
Program	Sustainable Operations for Hospitality Industry	Program	CTE Pathway for Hospitality, Tourism and Recreation
Units	2.00/16 hrs	Hours	90 hours
Textbooks/ Software		Textbooks/ Software	NAF Curriculum Sustainable Tourism

Mission College Course Description:	Milpitas High School Course Description:
<p>Students explore ways that the hospitality industry can reduce its impact on the environment.</p> <p>Carbon foot print, energy and water use, waste management, sustainable purchasing, and green packaging and marketing are examined as means to make the industry more earth-friendly.</p>	<p>Designed to present an overview to all students of Sustainable Tourism and its impact on our world.</p> <p>They explore corporate social responsibility policies and evaluate how a business can demonstrate its commitment to sustainability.</p> <p>Students explore careers in sustainability, including sustainability management jobs and opportunities with governmental and nongovernmental organizations (NGOs).</p>



**MISSION
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ARTICULATION AGREEMENT COURSE COMPARISON PAGE

School: Milpitas High School

Course: Sustainable Tourism

Mission College Course Title	Milpitas High School Course Title
<p>1. Environmental issues for the earth</p> <ul style="list-style-type: none"> a. global warming and climate change b. acid rain and air pollution c. pollution and waste management d. overpopulation e. potable water 	<p>A. Meeting the Challenges of Sustainability</p> <ul style="list-style-type: none"> a. Climate change and carbon cycle, global warming. b. Limits of acceptable change. c. acid rain and air pollution d. pollution and waste management e. overpopulation f. potable water g. renewable and non-renewable resources
<p>2. International and national laws and recommendations</p> <ul style="list-style-type: none"> a. the Montreal protocol b. caring for the earth c. Rio earth summit d. the world population conference e. the Kyoto conference f. the European environmental agency g. agenda 21 for travel and tourism industry h. green globe 	<p>B. International and national laws and recommendations</p> <ul style="list-style-type: none"> a. the Montreal protocol b. caring for the earth c. Rio earth summit d. the world population conference e. the Kyoto conference f. the European environmental agency g. agenda 21 for travel and tourism industry h. green globe
<p>3. Operating Sustainably in the Hospitality Industry</p> <ul style="list-style-type: none"> a. refrigeration b. energy management c. water d. green technology e. purchasing and production f. packaging and disposables g. waste management h. the green consumer i. transportation 	<p>C. Sustainable Hospitality Business Management</p> <ul style="list-style-type: none"> a. Summarize the ways hospitality and tourism facilities can be constructed to meet green guidelines and criteria including: refrigeration, water, energy, and transportation. b. Identify sustainable waste management practices c. Evaluate sustainable practices that would be appropriate for a specific hospitality/tourism business
<p>4. The business environment</p> <ul style="list-style-type: none"> a. tools for environmental operations b. the environmental audit c. reporting on environmental performance and certifications 	<p>D. Sustainable Tourism Business Practices</p> <ul style="list-style-type: none"> a. Corporate social responsibility and commercial tourism b. tools for environmental operations c. the environmental audit d. reporting on environmental performance and certifications
	<p>E. A Consumer Driven Market</p> <ul style="list-style-type: none"> a. Describe the relationship between the consumer

	<p>demand for greener products and sustainable tourism</p> <ul style="list-style-type: none">b. Characterize the ways in which consumers drive the change toward sustainable practicesc. Differentiate between sustainable practices and greenwashing as a marketing toold. Identify ways consumers can determine if a business or an attraction is committed to sustainable practices
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ARTICULATION AGREEMENT COURSE COMPARISON PAGE

School: Milpitas High School

Course: Sustainable Tourism

Mission College Course/Student Learning Outcomes	Milpitas High School Course/Student Learning Outcomes
A. Students will demonstrate how energy efficiency can reduce an operation's carbon footprint.	1. Students will understand with the basic concepts of sustainability: measuring a person's carbon footprint, recognizing the implications of Limits of Acceptable Change model, understanding the latest research about climate change.
8. Students will outline three methods used in hospitality operations to reduce solid waste going to landfills.	2. Students consider approaches to land use and sustainability, including trends in alternative tourism and multiple-use policies. Students explore the economic and social impacts of tourism and how community-based sustainable tourism programs can mitigate negative effects.
C. Students will explain the importance of water management in the hospitality industry.	3. Students learn the implications of sustainability for hospitality and tourism businesses. They explore corporate social responsibility policies and evaluate how a business can demonstrate its commitment to sustainability.
0.	4. Students explore careers in sustainability, including sustainability management jobs and opportunities with governmental and nongovernmental organizations (NGOs).

ARTICULATION AGREEMENT MEASUREMENT PAGE

School: Milpitas High School

Course: Sustainable Tourism

Measurement Method (to clarify, certification of licensure) < Measurement Method (to clarify, certification of licensure)>	
A. Tests on material covered in lectures, field trips, and other presentations, in the form of objective T/F, multiple choice, and short essay questions.	1. Students are assessed by teachers and judges using a rubric format for written assignments, projects and presentations.
B.	2. Students are assessed in the form of objective, T/F, multiple choice and short essay exams.
C.	3. Students complete end of semester NAF Trak Certification tests.

Credit for the course listed will be granted if the following criteria are met:

- Stipulated grade of B or better
- Credit-by-Examination administered by Secondary School Mission College
- Demonstration/Portfolio
- Certification of specific competencies
- Other _____

Statewide Career Pathways associated with this articulation agreement:

Hospitality, Tourism and Recreation

Sustainable Operations for Hospitality

Industry FDRST 085 Section #37040 Fall 2014

Wednesday 4:45pm-6:50pm

Final Exam 12/10/14

Drop policy without a W by 9/7/14 with a W by 11/14/14

Scott Brunson

HM-115 M 8:00am-9:00am 5:30pm-6:30pm & W 8:00am-9:00am 4:00pm-4:45pm and by appt.

Office: (408) 855-5251

Fax: (408) 855-5452

E-mail: scott.brunson@wvm.edu

Required textbook:

Sustainability in the Hospitality Industry. 2nd ed.

Chen, Joseph.

Elsevier Science, 2009.

Students explore ways that the hospitality industry can reduce its impact on the environment. Carbon foot print, energy and water use, waste management, sustainable purchasing, and green packaging and marketing are examined as means to make the industry more earth-friendly.

Student learning outcomes:

1. Outcome: Students will demonstrate how energy efficiency can reduce an operations carbon foot print.
Assessment: Each student will do a carbon foot print exercise demonstrating their ability to evaluate how a reduction of energy use affects environmental impact of hospitality operations. 90% of all students will complete this project with a grade of 70% or better
2. Outcome: Students will outline three methods used in hospitality operations to reduce solid waste going to landfills.
Assessment: Question on final exam will ask this question and 90% of the students will successfully demonstrate this knowledge.
3. Outcome: Students will explain the importance of water management in the hospitality industry.
Assessment: A question on the final exam will require students to demonstrate knowledge of proper water management. 90% of students will explain why water conservation is a critical issue for sustainable operations in hospitality industry.

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

1. Discuss the reasons why environmental issues are critical for the health of human beings and the earth.
2. Demonstrate knowledge of the current national and international laws and recommendations regarding environmental preservation.
3. Identify areas available for increased sustainability in the hospitality industry.
4. Apply techniques that lead to decreased environmental impact in hospitality operations.
5. Perform an environmental audit for a real business in hospitality.
6. Discuss methods for reduced waste output in the hospitality industry.

7. Identify cost savings involved in environmentally sound business operations
8. Create reports on environmental performance of hospitality operations.
9. Develop tools for educating customers about their choices and how those choices relate to sustainability.
10. Market environmental practices to develop a broader customer base.

Topics addressed:

1. Environmental issues for the earth
 - a. global warming and climate change
 - b. acid rain and air pollution
 - c. pollution and waste management
 - d. overpopulation
 - e. potable water
2. International and national laws and recommendations
 - a. the Montreal protocol
 - b. caring for the earth
 - c. Rio earth summit
 - d. the world population conference
 - e. the Kyoto conference
 - f. the European environmental agency
 - g. agenda 21 for travel and tourism industry
 - h. green globe
3. Operating Sustainably in the Hospitality Industry
 - a. refrigeration
 - b. energy management
 - c. water
 - d. green technology
 - e. purchasing and production
 - f. packaging and disposables
 - g. waste management
 - h. the green consumer
 - i. transportation
4. The business environment
 - a. tools for environmental operations
 - b. the environmental audit
 - c. reporting on environmental performance and certifications

Class schedule:

8/27/14 Introduction
9/3/14 Chapter 1 Sustainable development in the Hospitality Industry
9/10/14 Chapter 2 Energy efficiency
9/17/14 Waste management
9/24/14 Water conversation Quiz 1
10/1/14 Eco-design in hospitality architecture
10/8/14 Sustainable food and beverage management
10/15/14 Energy efficient kitchens
10/22/14 Responsible marketing for hotels and restaurants Quiz 2
10/29/14 Responsible consumerism
11/5/14 Corporate social responsibility for sustainable business management
11/12/14 Communicating environmental sustainable initiatives
11/19/14 Hospitality industry environmental management systems and strategies
11/26/14 Financing schemes and funds according to sustainable principles
12/3/14 Project presentations & semester review
12/10/14 Final Exam

Project presentations: Each student or group of students up to 3 members will research a topic on sustainable operations in hospitality industry and make a 10 minute minimum presentation to the class. This can be a research project on any sustainable topic related to hospitality industry or an audit of any hospitality operation for their environmental report card. A written outline of the presentation must be submitted to the instructor in print or electronic form with proper citation of all information sources. Audits of your place of employment or mission colleges operations i.e. the cafeteria or the hospitality management department are encouraged. 150 points

Grading and Student evaluation: Quizzes 100 points, Project presentation 150 points, Final exam 200 points. Total 450 points

1. CLASS ATTENDANCE

Students are expected to attend all sessions of each class.

Instructors may drop students from class if they fail to attend the first class meeting, or when accumulated unexcused hours of absence exceed ten percent of the total number of hours the class meets during the semester. Moreover, an instructor may drop from the class any student who fails to attend at least one class session during the first three weeks of instruction.

FACULTY ABSENCE

If the instructor is not in attendance after 20 minutes from the scheduled start time of class, the class is cancelled and the students may leave.

2. ANGEL INFORMATION

Angel Learning is a course management system adopted by the WVMCCD for all classes. When you log into the system, you will see a listing of classes that you are teaching (faculty) or a list of classes that you are taking.

<http://angelsupport.missioncollege.org/>

3. CHEATING POLICY

Dishonesty includes but is not limited to in-class cheating, out-of-class cheating, plagiarism, knowingly assisting another student in cheating or plagiarism, or knowingly furnishing false information to college staff, faculty, administrators or other officials. Following are definitions of in-class cheating, out-of-class cheating, plagiarism,

CTE ARTICULATION AGREEMENT SIGNATURE PAGE

Mission College Instructor

Signature: [Signature]

Print Name: Scott Brunson

Date: 5/7/18

Phone: 408/355/5251

Email: scott.brunson@wvm.edu

Milpitas High School Teacher

Signature: _____

Print Name: Shree Batta

Date: / /

Phone: 408 / 635/ 2800

Email: sbatta@musd.org

Mission College Department Faculty Chair

Signature: [Signature]

Print Name: Daniel Arias

Date: 5/10/18

Phone: 408/4855/5434

Email: daniel.arias@wvc.edu

Milpitas High School Principal

Signature: [Signature]

Print Name: Francis Rojas

Date: 5/24/18

Phone: 408/635/2800

Email: frojas@musd.org

Mission College Instructional Dean/Designee

Signature: [Signature] 5/10/18

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Mina Jahan
408-855-5360
mina.jahan@wvm.edu

Milpitas High school Superintendent of Instruction

Signature: _____

Print Name: Norma Rodriguez

Date: / /

Phone: 408/635 /2600

Email: nrodriguez@musd.org

Please Attach Official Course Outlines/Syllabi/ Pertinent Documentation