For Academic Programs

Informed by your assessment activities related to student learning, what changes have you made in your degree program in the last three to five years? Describe the changes (e.g., curriculum revision, new courses, faculty development), the general results that prompted the changes (e.g., student performance on an assessment measure), and any impact on student learning that you might attribute to these changes.

Over the last three years the passing rate of the students for the RD exam (registration for dietitians) has increased dramatically; now to 90%. This can be attributed to the emphasis faculty have given to ensuring their classes prepare students adequately for the future. Several classes have added case studies to enhance student understanding of information. The introduction to research class (NHM 395) has been revised to help students better understand research concepts. One course was split into two components to allow students more time to gain valuable skills in nutrition education and the nutritional care process. Changes have been made in the writing classes to enhance student’s ability to communicate. All of these changes and dedication of the faculty have resulted in the ultimate goal of having qualified dietitians in the workforce.

Mission / Purpose

The Department of Human Nutrition and Hospitality Management’s mission is to provide strong undergraduate programs in the areas of food and nutrition and restaurant and hospitality management and a strong graduate program in the area of human nutrition. Further, the Department strives to contribute to the generation of new knowledge in the area of foods and nutrition and to apply this knowledge to improving the quality of life of individuals, families and communities.

Goals

G 1: Improve writing skills
Work with students in a variety of classes to improve their writing skills. Incorporate writing into classes when possible.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Ability to identify nutrition sources
Students are able to identify the sources, functions and metabolic inter-relationships of macro- and micro nutrients and other key food components.

Connected Documents
Curriculum Map I - Food and Nutrition B.S.
Curriculum Maps II - Food and Nutrition B.S.

Related Measures

M 1: Course embedded questions in NHM 362
70% of students will be able to correctly answer a set of 10 questions embedded in NHM 362 exams that specifically identify the sources, functions and metabolic inter-relationships of macro- and micro-nutrients.

Source of Evidence: Standardized test of subject matter knowledge

Target:
70% of students will correctly answer a set of ten questions.

Finding (2013-2014) - Target: Met
Campus Spring 2014: 91.3% of students met the standard.

M 2: Course-embedded Assessment in NHM 454
70% of students will be able to correctly answer a set of 10 items embedded in NHM 454 assessments that specifically address level of knowledge related to food regulations, food composition, and influence of processing, preservation and preparation on sensory attributes of foods and food components.

Source of Evidence: Standardized test of subject matter knowledge

Target:
70% of students will be able to answer 10 questions correctly.

Finding (2013-2014) - Target: Met
Fall 2013 Campus: Only on one of the 10 questions was the 70% not met. Overall students scored 80%
Objective was met
Fall 2013 Online: Overall 87% of the students were able to answer the questions correctly
Spring 2014 Campus: 79% of the students answered the questions correctly. Objective was met.
Spring 2014 Online: 83% of the students were able to answer the questions correctly.

SLO 2: Ability to apply management and business theories
Students are able to apply management and business theories and principles to the development, marketing and delivery of programs or services.

Connected Documents
Curriculum Map I - Food and Nutrition B.S.
Related Measures

M 3: Ability to plan the delivery of catered meal
80% of students will be able to plan the delivery of a catered meal for a special event.

Source of Evidence: Project, either individual or group

Target:
80% will score a 60/75 points in the rubric

Finding (2013-2014) - Target: Met
Campus Fall 2013: Of the 36 students 32 met the objective. The objective was met with 87%
Online Fall 2013: Of the 26 students 23 met the objective. The objective was met with 88% In a second section the objective was met with 82.14%.
Online Spring 2014: Of the 32 students enrolled 100% met the objective

M 4: Ability to identify marketing opportunity
Using a case study, 80% of the students will identify a marketing opportunity and develop a marketing plan which incorporates the four marketing mix.

Source of Evidence: Project, either individual or group

Target:
80% of students will score 75% or better on this assignment

SLO 3: Ability to demonstrate effective and professional oral and written communication
Students are able to demonstrate effective and professional oral and written communication and documentation and use of current information technologies when communicating with individuals, groups and the public.

Connected Documents
Curriculum Map I-Food and Nutrition B.S.
Curriculum Maps II-Food and Nutrition B.S.

Related Measures

M 5: Ability to give oral presentation using technological tools available
90% of the students will be able to organize and present project in NHM 491

Source of Evidence: Presentation, either individual or group

Target:
90% of students will receive an 80% or greater on oral presentation in NHM 491

Finding (2013-2014) - Target: Partially Met
Spring 2014 campus: All of the 60 students taking the class 100% adequately met the objective.
Spring 2014 online: Of the 9 in the class 2 scored 80% or above. Objective was not met with 22%.

M 6: Ability to implement and evaluate a nutrition education program
90% of students will be able to develop, implement and evaluate a nutrition education program for a target audience where 80% of the audience will be able to complete the two planned learner objectives of the program.

Source of Evidence: Presentation, either individual or group

Target:
90% of students will receive a 80% or better on the nutrition education project.

Finding (2013-2014) - Target: Met
Online Fall 2013: Section 1; Of the 15 students, 14 presented an education program and 13 scored above 80%. The objective was met with 86%.
Online Fall 2013: Section 2; Of the 18 students, 17 presented an education program with a score of above 80%. The objective was met with 95%
Campus Spring 2014 Of the 83 students 80 met the objective. The objective was met with 96%

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

work with online students
Established in Cycle: 2012-2013
Continue to reinforce with online students requirements for the project. Review assignments for complete information.

SLO 4: Ability to use nutrition care process
Students are able to use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions, including medical nutrition therapy, disease prevention and health promotion.

Connected Documents
Curriculum Map I-Food and Nutrition B.S.
Curriculum Maps II-Food and Nutrition B.S.

Related Measures

M 7: Ability to assess patient's current health status
80% of students will accurately assess a patient's current health status and make appropriate recommendations for medical nutrition therapy

Source of Evidence: Portfolio, showing skill development or best work

Target:
80% of students will score a 80% or better on this case study.

Finding (2013-2014) - Target: Met
On Campus Fall 2013: Of the 59 students enrolled 58 successfully met the objective. The objective was met with 98.3%
Online Fall of 2013: Of the 26 students enrolled, 21 successfully completed the objective. The objective was met with 81%.
Spring 2014 Campus: Of the 77 students enrolled, 71 students (92%) completed the objective successfully.

M 8: Ability to assess current health status of a patient with a chronic disease
80% of students will accurately assess the current health status of a patient with a chronic disease and make appropriate recommendations for medical nutrition therapy.
Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
80% of students will score a 80% or better on an advanced level case study.

Finding (2013-2014) - Target: Met
Fall 2013: Campus: of the 59 students, 58 completed the case successfully or 98%.
Fall 2013: Online: of the 26 students, 21 completed the case successfully or 81%.
Spring online: 100% of students completed the case successfully.

SLO 5: Ability to use professional literature
Students are able to demonstrate how to locate, interpret, evaluate and use professional literature to make ethical evidence-based practice decisions.

Connected Documents
Curriculum Map I - Food and Nutrition B.S.
Curriculum Maps II - Food and Nutrition B.S.

Related Measures

M 9: Analyze a published research article
90% of students will be able to analyze research articles and answer questions about the articles with a score of 80%
Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
90% of students will score a 85% or better on research article assignments in NHM 395

Finding (2013-2014) - Target: Partially Met
Fall 2013: On Campus students: 76
Number of students who submitted a critique in NHM 395: 75 = 98.68%
Number of students whose score was ≥ 85%: 61 = 81.33%

Number of NHM 395, Fall, On-line students: 44
Number of students who submitted a critique in NHM 395: 43 = 97.72%
Number of students whose score was ≥ 85%: 41 = 95.34

Number of NHM 395, Fall, students TOTAL: 120
Number of students who submitted a critique in NHM 395: 118 = 98.33%
Number of students whose score was ≥ 85%: 102 = 86.44%

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

**evaluate course**
Established in Cycle: 2011-2012
Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoke this assignment from this...

**review course assignments**
Established in Cycle: 2012-2013
Review course for appropriate preparation of students to complete project. Changes were made for Fall 2013. Continue to evaluate...

M 10: Research Paper
90% of students will be able to write a research paper and 70% of those papers will be scored as a B or better by grading rubric.
Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
70% of students will receive a grade of 83% or better on the research paper in NHM 454.

Finding (2013-2014) - Target: Partially Met
Fall 2013 Online: Of the 27 students in the all completed the project; however, only 8 scored a B or above.
The objective was fully met by only 30% of the students.
Fall 2013 Campus: 72% met the objective. Campus students scored higher on this objective.
Spring 2014 Campus: of the 29 students enrolled in the class 23 (79%) met the objective.
Spring 2014 online: Of the 48 students enrolled only 19 scored 80% or better (40%). The objective was not met.
Campus students continue to do better on this assignment.

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Research and writing skills
Established in Cycle: 2011-2012
A continued effort will be needed to improve the research and writing skills of our students. Students are encouraged to visit t...

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtcm 6: Program Outcome: High Level of Recognized Quality
The program will improve and sustain a high level of recognized quality.

Related Measures

M 11: Exam for Didactic and Coordinated Program
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.
Source of Evidence: Writing exam to assure certain proficiency level
Target:
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.
Finding (2013-2014) - Target: Met
90% of CP students passed the RD exam this year. This is significantly increased from last year.

M 12: Student Exit Survey
80% of the students will agree or strongly agree to a question on the Student Exit Survey concerning preparation to enter the field of dietetics.
Source of Evidence: Student satisfaction survey at end of the program
Target:
80% of the students will agree or strongly agree to a question on the Student Exit Survey concerning preparation to enter the field of dietetics.
Finding (2013-2014) - Target: Met
Spring 2014: 100% of students answered this question as very satisfied or satisfied. Target was met

OthOtcm 7: Program Outcome: Sustain Optimal Level of Enrollment
The program will build and sustain an optimal level of annual program enrollments and degree completions.

Related Measures

M 13: Number of Undergraduate Students
Maintain the number of current undergraduate students at 250-300
Source of Evidence: Academic indirect indicator of learning - other
Target:
Maintain student enrollment 250-300
Finding (2013-2014) - Target: Met
Fall of 2013: 665 students were enrolled in the program. campus 329 and Distance 336
Spring 2014: 639 students were enrolled in the program. Campus: 317 and Distance 322.

M 14: Number of Degrees Awarded
Maintain the number of current undergraduates who receive a diploma at 55/year.
Source of Evidence: Academic indirect indicator of learning - other
Target:
Maintain the number of current undergraduates who receive a diploma at 55/year
Finding (2013-2014) - Target: Met
Fall 2013: 36 students completed degrees.
Spring 2014: 50 students completed degrees.

OthOtcm 8: Program Outcome: Highly Valued by Program Graduates
The program will be highly valued by its program graduates and other key constituencies it serves.

Related Measures

M 15: Graduating Senior Survey
Graduating Senior Survey
Source of Evidence: Student satisfaction survey at end of the program
Target:
Graduating Senior Survey

M 16: NHM Alumni Survey
NHM Alumni Survey: How beneficial were skills learned to your job.
Source of Evidence: Alumni survey or tracking of alumni achievements
Target:
NHM Alumni Survey
Respondents (n=42) indicated they were highly satisfied with their major. Mean score 3.92/5.0

**Details of Action Plans for This Cycle (by Established cycle, then alpha)**

**evaluate course**

Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoke this assignment from this course and place in a more advanced course.

Established in Cycle: 2011-2012
Implementation Status: Planned
Priority: High

Relationships (Measure | Outcome/Objective):
Measure: Analyze a published research article | Outcome/Objective: Ability to use professional literature

**Research and writing skills**

A continued effort will be needed to improve the research and writing skills of our students. Students are encouraged to visit the writing center and extra credit often given. Help sessions are provided. Research and writing is encouraged in many classes.

Established in Cycle: 2011-2012
Implementation Status: In-Progress
Priority: High

Relationships (Measure | Outcome/Objective):
Measure: Research Paper | Outcome/Objective: Ability to use professional literature

Implementation Description: Ongoing from 2010-2011 Assessment Plan

**revise course assignments**

Review course for appropriate preparation of students to complete project. Changes were made for Fall 2013. Continue to evaluate.

Established in Cycle: 2012-2013
Implementation Status: Planned
Priority: High

Relationships (Measure | Outcome/Objective):
Measure: Analyze a published research article | Outcome/Objective: Ability to use professional literature

Projected Completion Date: 12/2013
Responsible Person/Group: Course instructor

**work with online students**

Continue to reinforce with online students requirements for the project. Review assignments for complete information.

Established in Cycle: 2012-2013
Implementation Status: Planned
Priority: High

Relationships (Measure | Outcome/Objective):
Measure: Ability to implement and evaluate a nutrition education program | Outcome/Objective: Ability to demonstrate effective and professional oral and written communication

Projected Completion Date: 12/2013
Responsible Person/Group: Distance instructors
Mission / Purpose

The Department of Human Nutrition and Hospitality Management’s mission is to provide strong undergraduate programs in the areas of food and nutrition and restaurant and hospitality management and a strong graduate program in the area of human nutrition. Further, the Department strives to contribute to the generation of new knowledge in the area of foods and nutrition and to apply this knowledge to improving the quality of life of individuals, families and communities.

Goals

G 1: Improve writing skills
Work with students in a variety of classes to improve their writing skills.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Ability to identify nutrition sources
Students are able to identify the sources, functions and metabolic inter-relationships of macro- and micro nutrients and other key food components.

Connected Documents
Curriculum Map I-Food and Nutrition B.S.
Curriculum Map II-Food and Nutrition B.S.

Related Measures

M 1: Course embedded questions in NHM 362
70% of students will be able to correctly answer a set of 10 questions embedded in NHM 362 exams that specifically identify the sources, functions and metabolic inter-relationships of macro- and micro-nutrients.

Source of Evidence: Standardized test of subject matter knowledge

Target: 70% of students will correctly answer a set of ten questions.

Finding (2012-2013) - Target: Met
Campus: Spring: 90.6% were able to answer the questions correctly.
Online: Spring 88.5% were able to answer the questions correctly.

M 2: Course-embedded Assessment in NHM 454
70% of students will be able to correctly answer a set of 10 items embedded in NHM 454 assessments that specifically address level of knowledge related to food regulations, food composition, and influence of processing, preservation and preparation on sensory attributes of foods and food components.

Source of Evidence: Standardized test of subject matter knowledge

Target: 70% of students will be able to answer 10 questions correctly.

Finding (2012-2013) - Target: Met
Campus: Fall 82.8% Spring 78.2% Online: Course was in development and not offered.

SLO 2: Ability to apply management and business theories
Students are able to apply management and business theories and principles to the development, marketing and delivery of programs or services.

Connected Documents
Curriculum Map I-Food and Nutrition B.S.
Curriculum Map II-Food and Nutrition B.S.

Related Measures

M 3: Ability to plan the delivery of catered meal
80% of students will be able to plan the delivery of a catered meal for a special event.

Source of Evidence: Project, either individual or group

Target: 80% will score a 60/75 points in the rubric

Finding (2012-2013) - Target: Met
On Campus: Fall 2012: 100% scored 80% or above on the grading rubric. Spring 2013: 90% scored 80% or above on the grading rubric.
Online: Fall 2012: 94% scored 80% or above. Spring 2013: 100% scored 80% or above

M 4: Ability to identify marketing opportunity
Using a case study, 80% of the students will identify a marketing opportunity and develop a marketing plan which incorporates the four marketing mix.

**Target:**
80% of students will score 75% or better on this assignment

**Finding (2012-2013) - Target: Met**
- **Campus:** Fall: All 69 students met standard; 100%
- **Online:** Fall: All 12 students met the standard; 100%
- **Spring:** All 10 students met the standard; 100%

**SLO 3: Ability to demonstrate effective and professional oral and written communication**
Students are able to demonstrate effective and professional oral and written communication and documentation and use of current information technologies when communicating with individuals, groups and the public.

**Connected Documents**
- Curriculum Map I-Food and Nutrition B.S.
- Curriculum Maps II-Food and Nutrition B.S.

**Related Measures**

**M 5: Ability to defend positions of controversial topics**
90% of the students will be able to organize and present project in NIM 374

**Source of Evidence:** Presentation, either individual or group

**Target:**
90% of students will receive an 80% or greater on this oral presentation

**Finding (2012-2013) - Target: Not Reported This Cycle**
This project was dropped from the curriculum. Measure will be assessed in another course.

**M 6: Ability to implement and evaluate a nutrition education program**
90% of students will be able to develop, implement and evaluate a nutrition education program for a target audience where 80% of the audience will be able to complete the two planned learner objectives of the program.

**Source of Evidence:** Presentation, either individual or group

**Target:**
90% of students will receive a 80% or better on the nutrition education project.

**Finding (2012-2013) - Target: Partially Met**
- **On Campus Fall 2012:** 90% of 68 students received B or better on the project.
- **On Line Fall 2012:** 88% of 16 students received B or better on the project.

**Related Action Plans (by Established cycle, then alpha):**
- **work with online students**
  - Established in Cycle: 2012-2013
  - Continue to reinforce with online students requirements for the project. Review assignments for complete information.

**SLO 4: Ability to use nutrition care process**
Students are able to use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions, including medical nutrition therapy, disease prevention and health promotion.

**Connected Documents**
- Curriculum Map I-Food and Nutrition B.S.
- Curriculum Maps II-Food and Nutrition B.S.

**Related Measures**

**M 7: Ability to assess patient's current health status**
80% of students will accurately assess a patient's current health status and make appropriate recommendations for medical nutrition therapy

**Source of Evidence:** Portfolio, showing skill development or best work

**Target:**
80% of students will score a 80% or better on this case study.

**Finding (2012-2013) - Target: Met**
- **Campus:**
  - Fall: Of the 77 students, 90.9% completed the assignment with an 80% or better.
  - Online: Fall: Of the 27 students, 100% completed the assignment with an 80% or better.
  - Spring: Of the 7 students, 100% completed the assignment with an 80% or better.

**Finding (2012-2013) - Target: Met**
- **Campus:**
  - Fall: Of the 77 students, 90.9% completed the assignment with an 80% or better.
  - Online: Fall: Of the 27 students, 100% completed the assignment with an 80% or better.
  - Spring: Of the 7 students, 100% completed the assignment with an 80% or better.

**M 8: Ability to assess current health status of a patient with a chronic disease**
80% of students will accurately assess the current health status of a patient with a chronic disease and make appropriate recommendations for medical nutrition therapy

**Source of Evidence:** Written assignment(s), usually scored by a rubric
Target:
80% of students will score a 80% or better on an advanced level case study.

Finding (2012-2013) - Target: Met
On campus Fall 2012: 90.9% of 77 students scored 80% or better on case studies
On Line Fall 2012: 100% of 27 students scored 80% or better on case studies
On Line Spring 2013: 100% of 7 students scored 80% or better on case studies

SLO 5: Ability to use professional literature
Students are able to demonstrate how to locate, interpret, evaluate and use professional literature to make ethical evidence-based practice decisions.

Connected Documents
Curriculum Map I-Food and Nutrition B.S.
Curriculum Maps II-Food and Nutrition B.S.

Related Measures

M 9: Analyze and critique of a published research article
90% of students will be able to analyze research articles and answer questions about the articles with a score of 80%
Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
90% of students will score a 85% or better on research article assignments in NHM 395

Finding (2012-2013) - Target: Partially Met
Campus: 80% of students scored 85% or better. Assignment was modified to reflect appropriate level for the class.
Online: 97% of students B or better.

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

evaluate course
Established in Cycle: 2011-2012
Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoice this assignment from this...

review course assignments
Established in Cycle: 2012-2013
Review course for appropriate preparation of students to complete project. Changes were made for Fall 2013. Continue to evaluat...

M 10: Research Paper
90% of students will be able to write a research paper and 70% of those papers will be scored as a B or better by grading rubric.
Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
70% of students will receive a grade of 83% or better on the research paper in NHM 463.

Finding (2012-2013) - Target: Partially Met
The course was redeveloped. This measure was agthered in NHM 454 on campus only. The online course was in development.
Fall: 43%
Spring: 71%

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Research and writing skills
Established in Cycle: 2011-2012
A continued effort will be needed to improve the research and writing skills of our students. Students are encouraged to visit t...

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtcm 6: Program Outcome: High Level of Recognized Quality
The program will improve and sustain a high level of recognized quality.

Related Measures

M 11: Exam for Didactic and Coordinated Program
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.
Source of Evidence: Writing exam to assure certain proficiency level

Target:
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.

Finding (2012-2013) - Target: Partially Met
79% of CP students passed the RD exam on 1st attempt. 100% of DPD students

M 12: Student Exit Survey
80% of the students will agree or strongly agree to a question on the Student Exit Survey concerning preparation to enter the field of dietetics.
Source of Evidence: Student satisfaction survey at end of the program

Target:
80% of the students will agree or strongly agree to a question on the Student Exit Survey concerning preparation
to enter the field of dietetics.

Finding (2012-2013) - Target: Met
100% felt very satisfied or satisfied.

OthOtcm 7: Program Outcome: Sustain Optimal Level of Enrollment
The program will build and sustain an optimal level of annual program enrollments and degree completions.

Related Measures

M 13: Number of Undergraduate Students
Maintain the number of current undergraduate students at 250-300
Source of Evidence: Academic indirect indicator of learning - other
Target: Maintain student enrollment 250-300
Finding (2012-2013) - Target: Met
Fall 2012 520 total were enrolled. Spring of 2013 a total of 546 students were enrolled: 283 campus and 263 online. Enrollment continues to increase.

M 14: Number of Degrees Awarded
Maintain the number of current undergraduates who receive a diploma at 55/year.
Source of Evidence: Academic indirect indicator of learning - other
Target: Maintain the number of current undergraduates who receive a diploma at 55/year
Finding (2012-2013) - Target: Met
August 2012 6 graduated; December 2012 35; and May 2013 33 Total 74

OthOtcm 8: Program Outcome: Highly Valued by Program Graduates
The program will be highly valued by its program graduates and other key constituencies it serves.

Related Measures

M 15: Graduating Senior Survey
Graduating Senior Survey
Source of Evidence: Student satisfaction survey at end of the program
Target: Graduating Senior Survey
Finding (2012-2013) - Target: Met
100% of CP students completing the survey felt they were well prepared.

M 16: NHM Alumni Survey
NHM Alumni Survey: How beneficial were skills learned to your job.
Source of Evidence: Alumni survey or tracking of alumni achievements
Target: NHM Alumni Survey
Finding (2012-2013) - Target: Met
369 respondents rated 23 different skills as essential to their job as 4.08/5.0 scale.

Details of Action Plans for This Cycle (by Established cycle, then alpha)

evaluate course
Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoke this assignment from this course and place in a more advanced course.
Established in Cycle: 2011-2012
Implementation Status: Planned
Priority: High
Relationships (Measure | Outcome/Objective):
Measure: Analyze and critique of a published research article | Outcome/Objective: Ability to use professional literature

Research and writing skills
A continued effort will be needed to improve the research and writing skills of our students. Students are encouraged to visit the writing center and extra credit often given. Help sessions are provided. Research and writing is encouraged in many classes.
Established in Cycle: 2011-2012
Implementation Status: In-Progress
Priority: High
Relationships (Measure | Outcome/Objective):
Measure: Research Paper | Outcome/Objective: Ability to use professional literature
Implementation Description: Ongoing from 2010-2011 Assessment Plan

review course assignments
Review course for appropriate preparation of students to complete project. Changes were made for Fall 2013. Continue to evaluate.
Established in Cycle: 2012-2013
Implementation Status: Planned
Priority: High
Relationships (Measure | Outcome/Objective):
<table>
<thead>
<tr>
<th>Measure: Analyze and critique of a published research article</th>
<th>Outcome/Objective: Ability to use professional literature</th>
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<tbody>
<tr>
<td>Projected Completion Date: 12/2013</td>
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<tr>
<td>Responsible Person/Group: Course instructor</td>
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**work with online students**

Continue to reinforce with online students requirements for the project. Review assignments for complete information.

- **Established in Cycle:** 2012-2013
- **Implementation Status:** Planned
- **Priority:** High

**Relationships (Measure | Outcome/Objective):**

- **Measure:** Ability to implement and evaluate a nutrition education program | **Outcome/Objective:** Ability to demonstrate effective and professional oral and written communication

<table>
<thead>
<tr>
<th>Projected Completion Date: 12/2013</th>
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<td>Responsible Person/Group: Distance instructors</td>
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Mission / Purpose

The Department of Human Nutrition and Hospitality Management’s mission is to provide strong undergraduate programs in the areas of food and nutrition and restaurant and hospitality management and a strong graduate program in the area of human nutrition. Further, the Department strives to contribute to the generation of new knowledge in the area of foods and nutrition and to apply this knowledge to improving the quality of life of individuals, families and communities.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Ability to identify nutrition sources
Students are able to identify the sources, functions and metabolic inter-relationships of macro- and micro nutrients and other key food components.

Connected Documents
- Curriculum Map I-Food and Nutrition B.S.
- Curriculum Maps II-Food and Nutrition B.S.

Related Measures

M 1: Course embedded questions in NHM 362
70% of students will be able to correctly answer a set of 10 questions embedded in NHM 362 exams that specifically identify the sources, functions and metabolic inter-relationships of macro- and micro-nutrients.

Source of Evidence: Standardized test of subject matter knowledge

Target: 70% of students will correctly answer a set of ten questions.

Finding (2011-2012) - Target: Met
83.8% of students answered the ten questions correctly.

M 2: Course-embedded Assessment in NHM 454
70% of students will be able to correctly answer a set of 10 items embedded in NHM 454 assessments that specifically address level of knowledge related to food regulations, food composition, and influence of processing, preservation and preparation on sensory attributes of foods and food components.

Source of Evidence: Standardized test of subject matter knowledge

Target: 70% of students will be able to answer 10 questions correctly.

Finding (2011-2012) - Target: Met
75% of the students answered all ten items correctly.

SLO 2: Ability to apply management and business theories
Students are able to apply management and business theories and principles to the development, marketing and delivery of programs or services.

Connected Documents
- Curriculum Map I-Food and Nutrition B.S.
- Curriculum Maps II-Food and Nutrition B.S.

Related Measures

M 3: Ability to plan the delivery of catered meal
80% of students will be able to plan the delivery of a catered meal for a special event.

Source of Evidence: Project, either individual or group

Target: 80% will score a 60/75 points in the rubric

Finding (2011-2012) - Target: Met
90.5% of students scored a 60 or above out of 75 on this assignment.

M 4: Ability to identify marketing opportunity
Using a case study, 80% of the students will identify a marketing opportunity and develop a marketing plan which incorporates the four marketing mix.

Source of Evidence: Project, either individual or group

Target: 80% of students will score 75% or better on this assignment

Finding (2011-2012) - Target: Met
90% of students scored a 75% or better on this project.

SLO 3: Ability to demonstrate effective and professional oral and written communication
Students are able to demonstrate effective and professional oral and written communication and documentation and use of current information technologies when communicating with individuals, groups and the public.

Connected Documents
Related Measures

**M 5: Ability to defend positions of controversial topics**
90% of the students will be able to present, debate, and defend positions on areas of controversial topics to include public policy and regulations that affect the field of dietetics and the practicing dietitian.

Source of Evidence: Presentation, either individual or group

**Target:**
90% of students will receive an 80% or greater on this oral presentation

**Finding (2011-2012) - Target: Met**
100% of students were able to adequately perform the task with a grade of B or better.

**M 6: Ability to implement and evaluate a nutrition education program**
90% of students will be able to develop, implement and evaluate a nutrition education program for a target audience where 80% of the audience will be able to complete the two planned learner objectives of the program.

Source of Evidence: Presentation, either individual or group

**Target:**
90% of students will receive an 80% or greater on this nutrition education project.

**Finding (2011-2012) - Target: Met**
94.9% of students were able to develop, implement and evaluate a nutrition education program for a target audience at a B or better.

**SLO 4: Ability to use nutrition care process**
Students are able to use the nutrition care process to make decisions, to identify nutrition-related problems and determine and evaluate nutrition interventions, including medical nutrition therapy, disease prevention and health promotion.

### Connected Documents

Curriculum Map I-Food and Nutrition B.S.
Curriculum Maps II-Food and Nutrition B.S.

Related Measures

**M 7: Ability to assess patient's current health status**
80% of students will accurately assess a patient's current health status and make appropriate recommendations for medical nutrition therapy

Source of Evidence: Portfolio, showing skill development or best work

**Target:**
80% of students will score a 80% or better on this case study.

**Finding (2011-2012) - Target: Met**
81.9% of students were able to assess a patient's current nutritional status on the case study and receive a B or better.

**M 8: Ability to assess current health status of a patient with a chronic disease**
80% of students will accurately assess the current health status of a patient with a chronic disease and make appropriate recommendations for medical nutrition therapy

Source of Evidence: Written assignment(s), usually scored by a rubric

**Target:**
80% of students will score a 80% or better on an advanced level case study.

**Finding (2011-2012) - Target: Met**
91.3% of students scored a B or better on the advanced level case study

**SLO 5: Ability to use professional literature**
Students are able to demonstrate how to locate, interpret, evaluate and use professional literature to make ethical evidence-based practice decisions.

### Connected Documents

Curriculum Map I-Food and Nutrition B.S.
Curriculum Maps II-Food and Nutrition B.S.

Related Measures

**M 9: Analyze and critique of a published research article**
80% of students will analyze and critique of a published research article and 85% of those critiques will be scored as a B or better by a grading rubric.

Source of Evidence: Written assignment(s), usually scored by a rubric

**Target:**
80% of students will score a 85% or better on the critique assignment in NHM 395

**Finding (2011-2012) - Target: Not Met**
61% of students were able to score a 85% or better on the critique assignment.

**Related Action Plans (by Established cycle, then alpha):**
For full information, see the Details of Action Plans section of this report.

**evaluate course**
Established in Cycle: 2011-2012
Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoke this assignment from this...

**M 10: Research Paper**
90% of students will be able to write a research paper and 70% of those papers will be scored as a B or better by grading rubric.

Source of Evidence: Written assignment(s), usually scored by a rubric

Target:
70% of students will receive a grade of 83% or better on the research paper in NHM 463.

Finding (2011-2012) - Target: Not Met
52.7% of students were able to write a research paper that earned a B or better grade using the grading rubric.

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Research and writing skills
Established in Cycle: 2011-2012
A continued effort will be needed to improve the research and writing skills of our students. In the past year, the instructor ...

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtcm 6: Program Outcome: High Level of Recognized Quality
The program will improve and sustain a high level of recognized quality.

Related Measures

M 11: Exam for Didactic and Coordinated Program
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.
Source of Evidence: Writing exam to assure certain proficiency level

Target:
80% or greater pass rate on the registration exam for Didactic and Coordinated Program students.

Finding (2011-2012) - Target: Met
89% of CP students passed the exam since July 2011; 100% of DPD taking the exam for the first time. Two failed the exam on retake.

M 12: Student Exit Survey
80% of the students will agree or strongly agree to a question on the Student Exit Survey concerning preparation to enter the field of dietetics.
Source of Evidence: Student satisfaction survey at end of the program

Target:
Not assessed.

Finding (2011-2012) - Target: Not Reported This Cycle
not conducted this year

OthOtcm 7: Program Outcome: Sustain Optimal Level of Enrollment
The program will build and sustain an optimal level of annual program enrollments and degree completions.

Related Measures

M 13: Number of Undergraduate Students
Maintain the number of current undergraduate students at 250-300
Source of Evidence: Academic indirect indicator of learning - other

Target:
Maintain student enrollment 250-300

Finding (2011-2012) - Target: Met
Spring enrollment on campus was 259.

M 14: Number of Degrees Awarded
Maintain the number of current undergraduates who receive a diploma at 55/year.
Source of Evidence: Academic indirect indicator of learning - other

Target:
Maintain the number of current undergraduates who receive a diploma at 55/year

Finding (2011-2012) - Target: Met
57 graduated

OthOtcm 8: Program Outcome: Highly Valued by Program Graduates
The program will be highly valued by its program graduates and other key constituencies it serves.

Related Measures

M 15: Graduating Senior Survey
Graduating Senior Survey
Source of Evidence: Student satisfaction survey at end of the program

Target:
Graduating Senior Survey

Finding (2011-2012) - Target: Not Reported This Cycle
Not available at this time

M 16: NHM Alumni Survey
NHM Alumni Survey
Source of Evidence: Alumni survey or tracking of alumni achievements
Target: NHM Alumni Survey
Finding (2011-2012) - Target: Not Reported This Cycle
Data not available at this time.

Details of Action Plans for This Cycle (by Established cycle, then alpha)

**evaluate course**
Evaluate the course for appropriateness for an Introduction to Research in Nutrition. Possibly revoke this assignment from this course and place in a more advanced course.

**Established in Cycle:** 2011-2012
**Implementation Status:** Planned
**Priority:** High

**Relationships (Measure | Outcome/Objective):**
- **Measure:** Analyze and critique of a published research article
- **Outcome/Objective:** Ability to use professional literature

**Research and writing skills**
A continued effort will be needed to improve the research and writing skills of our students. In the past year, the instructor of NHM 463, Dr. Linda Knol, has provided 30 minute help sessions at the end of each class, additional help sessions outside of the classroom on scheduled dates, extra credit for visiting the writing center on two separate occasions, and reiterated previous program content on writing and research.

**Established in Cycle:** 2011-2012
**Implementation Status:** In-Progress
**Priority:** High

**Relationships (Measure | Outcome/Objective):**
- **Measure:** Research Paper
- **Outcome/Objective:** Ability to use professional literature

**Implementation Description:** Ongoing from 2010-2011 Assessment Plan

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**Mission / Purpose**
The Department of Human Nutrition and Hospitality Management’s mission is to provide strong undergraduate programs in the areas of food and nutrition and restaurant and hospitality management and a strong graduate program in the area of human nutrition. Further, the Department strives to contribute to the generation of new knowledge in the area of foods and nutrition and to apply this knowledge to improving the quality of life of individuals, families and communities.

**Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans**

**SLO 1:** Knowledge of inter-relationship between nutrients and metabolic processes
Students are able to explain the inter-relationships between nutrients and metabolic processes.

**Connected Documents**
- Curriculum Map I-Human Nutrition MS
- Curriculum Map II-Human Nutrition MS

**SLO 2:** Evaluate nutrition research
Students are able to critically evaluate nutrition research and apply results to practice.

**Connected Documents**
- Curriculum Map I-Human Nutrition MS
- Curriculum Map II-Human Nutrition MS

**Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans**

**OthOtcm 3:** Program Outcome: High Level of Recognized Quality
The program will improve and sustain a high level of recognized quality.

**OthOtcm 4:** Program Outcome: Sustain Optimal Level of Enrollment
The program will build and sustain an optimal level of annual program enrollments and degree completion.

**OthOtcm 5:** Program Outcome: Highly Valued by Program Graduates
The program will be highly valued by its program graduates and other key constituencies it serves.