Dietetics

The Dietetic Programs offers a baccalaureate degree in dietetics and post-baccalaureate certificate dietetic internship program.

Bachelor of Science in Dietetics

Didactic Program in Dietetics

The mission of the Idaho State University Didactic Program in Dietetics (DPD) is to educate individuals through didactic and practical experiences in food and nutrition and to develop visionary and competent graduates who will be prepared for supervised practice leading to eligibility for the Commission on Dietetic Registration (CDR) credentialing exam to become a registered dietitian nutritionist.

Prospective and current students should schedule an advising appointment with the program director or dietetic faculty member to ensure understanding of the requirements of the program, curriculum, supervised practice experience, and the credentialing exam to become a registered dietitian nutritionist.

Completion of the required course work and attainment of a Bachelor of Science degree in Dietetics makes one eligible to apply for admission into a Supervised Practice Program. The graduate must complete a Supervised Practice Program (e.g., Dietetic Internship) prior to becoming eligible to take the credentialing exam to become a registered dietitian nutritionist.

NOTE: Enrollment in the Idaho State University Didactic Program in Dietetics and/or fulfillment of specific requirements does NOT ensure admission into the ISU Dietetic Internship Program.

Program Goals and Outcome Measures

The following goals and outcome measures were identified in the 2017 Program Self Study and Site Visit for continued accreditation and revised to meet the 2018 Accreditation Council for Education in Nutrition and Dietetics (ACEND) standards. These goals and outcome measures reflect the mission of the Idaho State University DPD and are the basis for program evaluation and effectiveness.

Program Goal One: Prepare graduates to perform proficiently in a dietetic supervised practice program in preparation to be a competent entry-level dietitian nutritionist.

Outcome Measures

1. At least 80% percent of program students complete the program/degree requirements within 3 years (150% of program length).
2. At least 70% of program graduates apply for admission to a supervised practice program prior to or within 12 months of graduation.
3. At least 60% of program graduates are admitted to a supervised practice program within 12 months of graduation.
4. The program’s one-year pass rate (graduates who pass the registration exam within one year of first attempt) on the CDR credentialing exam for dietitian nutritionists is at least 80%.
5. At least 70% of responding graduates will report an aggregate score of 4 or higher out of 5 indicating strong preparation that the DPD program prepared them for their supervised practice experience.
6. At least 70% of responding Supervised Practice Program Directors will rate satisfaction with program graduates as having strong preparation (aggregate score of 4 or higher out of 5) for supervised practice.

Program Goal Two: To provide experiential learning and leadership opportunities outside of the traditional classroom setting to enrich the DPD graduates’ education and preparation for professional practice.

Outcome Measures

1. 100% of graduates will have participated in learning activities in each of the three experiential settings: clinical (Medical Nutrition Therapy), community and food service systems management.
2. At least 50% of graduates will have participated in student organizations, served in leadership roles, and/or been recognized with awards/nominations prior to graduation.
3. At least 50% of graduates will participate in professional organizations within 18 to 24 months following graduation.

The Didactic Program in Dietetics (DPD) is accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics (120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, (800) 877-1600). http://www.eatrightpro.org/resources/acend

Dietetic Internship (DI) Program

The mission of the Idaho State University Dietetic Internship is to prepare caring and competent entry-level registered dietitian nutritionists who collaborate with other health professionals through a supervised practice experience that exceeds the performance standards of the Accreditation Council for Education in Nutrition and Dietetics.

The DI Program provides for supervised experience in clinical, community, and administrative dietetics leading to a certificate of completion. Graduates of the Dietetic Internship Program will be eligible to take the credentialing exam to become a registered dietitian nutritionist.

The following goals and outcome measures were identified in the 2017 Program Self Study and Site Visit for continued accreditation and revised to meet the 2018 Accreditation Council for Education in Nutrition and Dietetics (ACEND) standards. These goals and outcome measures reflect the mission and philosophy of the Idaho State University Dietetic Internship and are the basis for program evaluation and effectiveness.

Program Goals and Outcome Measures

Program Goal #1: Program graduates are professionally competent entry-level registered dietitian nutritionists through a comprehensive supervised practice experience.

Outcome measures:

1. At least 80% of program interns complete program within 13.5 months (150% of program length).
2. Of graduates who seek employment, 75 percent are employed in nutrition and dietetics or related fields within 12 months of graduation.
3. 90 percent of program graduates take the CDR credentialing exam for dietitian nutritionists within 18 to 24 months following graduation.
4. The program’s one-year pass rate (graduates who pass the registration exam within one year of first attempt) on the CDR credentialing exam for dietitian nutritionists is at least 80%.
5. 90% of working RDNs over a five-year period will be satisfied that the DI program adequately prepared them for effective entry-level careers in dietetics.

Program Goal #2: Prepare program graduates to be caring registered dietitian nutritionists who promote collaboration within their practice setting.

Outcome Measures:

1. 50% of graduates over a five-year period will participate in professional organizations within the first year following graduation.
2. Of those employers who respond to the survey, 90% of employers will rate program graduates’ preparation for entry-level practice as satisfactory or higher.
3. 50% of employers over a five-year period will rate program graduates’ collaboration within their employment setting as satisfactory or higher.

Program Overview

Internship Components: Community dietetics, clinical dietetics, and food service management are all major areas of emphasis. Interns rotate through various sites including: medical centers, university food services, long-term care facilities, local health departments, local school district, a diabetes center, nephrology center, and out-patient clinics.

Number of Positions: There are eighteen (18) internship positions - Eight (8) interns in Meridian, eight (8) interns in Pocatello, and two (2) interns in Twin Falls.

Selection Process: Applicants are primarily ranked according to their grade point average (minimum 3.0), work experience, and references. Finalists will go through a 15-20 minute interview.

Internship Length: The length of the internship is two academic semesters: Fall (August through mid-December) and Spring (mid-January through mid-May).

Weekly Time Requirement: Approximately 40 hours per week are spent in seminars and rotations. An additional 20 hours per week are usually required for preparation and completing assignments. Interns work in facilities Monday through Thursday and some Fridays. Remaining Fridays are spent in seminar. Travel time has not been included but some rotations are 20-50 miles away.

Housing

Dietetic Internship students may choose to live in University housing or in a variety of off-campus sites. In Meridian and Twin Falls, no University housing is available.

Transportation

Each student should have his or her own car or, at least, access to one. Some rotation sites are up to one hundred miles away (e.g. Pocatello to Twin Falls).

Liability for safety in travel to and from assigned rotation sites will rest on the individual dietetic intern. In no way does the Dietetic Programs or Idaho State University assume liability for interns for safety in travel to and from assigned rotation sites.

The Dietetic Internship is accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics (120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, (800) 877-1600). http://www.eatrightpro.org/resources/ReactDOM

Faculty

Professor

Blanton, Cynthia A., Professor, Dietetics. B.S. 1990, California State University, Northridge; Ph.D. 2000, University of California, Davis. (2007)

Associate Professors

McKnight, Laura E. G., Clinical Associate Professor, Dietetics. B.S. 1986; M.P.H. 1999, Idaho State University. (1994)

Weeden, Allisha M., Associate Professor, Dietetics. B.S. 2002, Kansas State University; M.S. 2004, University of Kansas; Ph.D. 2008, Kansas State University. (2009)

Clinical Assistant Professor


Hilvers, Kristen L., Internship Coordinator Meridian and Clinical Assistant Professor, Dietetics. B.S. 1993 University of Idaho, M.S. Finch University, Chicago 2003. (2018)

Emerita

Dundas, Mary L., Director, Dietetics; Associate Professor, Health and Nutrition Sciences. 1996-2009

Schneider, Ruth C., Internship Coordinator Meridian and Clinical Associate Professor, Dietetics. 2001-2017

Bachelor of Science in Dietetics

Admission Requirements:

1. Accumulative GPA in both required prerequisite courses and professional courses of 3.0 or above on a 4.0 scale.
2. Completion of required courses listed under pre-dietetics with no course grade lower than a C- in any of the following classes:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1101</td>
<td>Introduction to General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1102</td>
<td>Introduction to Organic and Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1103</td>
<td>Introduction to General Organic and Biochemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1101</td>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2221</td>
<td>Introductory Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 2221L</td>
<td>Introductory Microbiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 3301L</td>
<td>Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3302L</td>
<td>Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1101</td>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>ENGL 1101P</td>
<td>English Composition Plus</td>
<td></td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Critical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>HE 2210</td>
<td>Medical Terminology and Communication</td>
<td>2</td>
</tr>
<tr>
<td>NTD 1104</td>
<td>Foods</td>
<td>3</td>
</tr>
<tr>
<td>NTD 2204</td>
<td>Meal Management</td>
<td>2</td>
</tr>
<tr>
<td>NTD 2239</td>
<td>Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

3
3. Completion of ISU General Education requirements is strongly suggested prior to applying and must be completed before graduation-- see the General Education Requirements (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/academicinformation/generaleducation) described in the Academic Information section of this catalog.

**Application Process**

The Didactic Program in Dietetics consists of prerequisites, professional courses and a final set of "seat" courses which must be taken the senior year. All prerequisites, professional courses and "seat" courses must be completed with a C- or better to earn a Bachelor of Science degree in Dietetics and obtain the Verification Statement required for applying for supervised practice programs. Students submit an application for the "seat" courses, which are NTD 3300 Medical Nutrition Therapy I, NTD 3300L Medical Nutrition Therapy I Lab, NTD 3301 Medical Nutrition Therapy II, and NTD 3301L Medical Nutrition Therapy II Lab, taken in the senior year. Students can apply a year in advance once admission requirements are met. Those applications will be considered for pre-award for the final year in the program. Other professional courses can be taken once the course prerequisites are met. Applications will only be considered if the above-mentioned admission requirements (1 and 2) are met. **DUE DATE:** February 15th or the following workday if the 15th falls on a weekend or university holiday.

Applicants must complete the following:

1. DPD application form available on the program website at http://www.isu.edu/dietetics/

2. A written letter of application stating reasons for choosing dietetics as a career and professional goals.

3. Official transcripts of all colleges and universities attended (Other than ISU) must be submitted unless required classes taken at other colleges or universities are already listed on the student’s ISU transcript. Current ISU students do not need to submit transcripts.

4. $25 non-refundable application fee (make check payable to the ISU Dietetic Programs).

5. Put all materials together in one large envelope and send to the address below.

   DPD Director
   Idaho State University
   921 South 8th Ave, Stop 8117
   Pocatello, ID 83209-8117

**Application Review:**

1. Applications are reviewed by a committee of Dietetic Faculty. All materials must be submitted for the application to be reviewed and must be post marked by the DUE DATE of February 15th or the following workday if the 15th falls on a weekend or university holiday.

2. The following criteria are considered in the application review by the DPD Selection Committee:
   a. ACCUMULATIVE GPA in both required prerequisite courses and professional courses completed
   b. Honors/Activities
   c. Volunteer/Work Experience
   d. Written letter of application

3. Due to the limited number of seats, achievement of minimum standards does not ensure admission in the DPD.

**Notification and Acceptance Requirements**

1. Applicants are notified in writing of acceptance status by the Friday before Spring Break. Acceptance status can be 1) accepted to seat for the upcoming academic year; 2) accepted to a seat for the following academic year; 3) alternate for a seat for the upcoming academic year, or 4) not accepted. Students must accept their seat in writing (email) by the communicated due date to the DPD Director.

2. Students enrolled in Medical Nutrition Therapy (MNT) will have some required experiences at medical facilities within the local community. In order to be in alignment with facility policies, all MNT students must have updated vaccination records.
   a. Before attending off campus experiences in medical facilities, students must show proof of the following vaccinations:
      i. Negative PPD (TB test) in the past 12 months
      ii. Proof of 2 MMR vaccinations or titer proving immunity
      iii. Proof of 3 Hep B vaccinations or titer proving immunity
      iv. Proof of 2 varicella vaccinations or titer proving immunity

3. Students enrolled MNT in must complete a background check at their own expense and a HIPPA training prior to obtaining required course experiences in local health care facilities.

**Dietetic Internship (DI) Program**

**Program Eligibility and Admission:**

1. Candidates must have a Bachelor of Science degree in Dietetics, Family and Consumer Sciences (Home Economics), or Food and Nutrition and have completed Didactic Program in Dietetics requirements as established by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 S. Riverside Plaza, Suite 2190, Chicago, Illinois, 60606-6995. Phone: 800-877-1600.

2. A minimum grade point average of 3.00 is required for admission.

3. Eighteen (18) interns, ten (10) in Pocatello and eight (8) in Meridian, will be admitted to the program with the April computer match, with a start date in August.

**NOTE:** Enrollment in the Idaho State University Didactic Program in Dietetics and/or fulfillment of specific requirements does not ensure admission into the Dietetic Internship Program.

New students are admitted to the Dietetic Internship Program for the fall semester. Candidates should submit all application materials no later than February 15th for admission the following Fall semester. Application information and instructions can be obtained from the Dietetic Internship website at http://www.isu.edu/dietetics/dietetic-internship-di/admission-and-application-for-the-di/. A $50 non-refundable fee will be charged for processing applications.

A separate fee is required for both Pocatello/Twin Falls and Meridian.

**Send Pocatello/Twin Falls Application Fee to:**

   Charlene Byington, MEd, RDN, LD
   Dietetic Internship Director
   Kasiska School of Health Professions
   Idaho State University
   921 S. 8th Ave. Stop 8117
   Pocatello, ID 83209-8117

**Send Meridian Application Fee to:**

   Kristen Hilvers, MS, RD, LD
   Idaho State University - Meridian
Bachelor of Science in Dietetics

Pre-Dietetics Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 1101</td>
<td>Biology I and Biology I Lab</td>
<td>4</td>
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<tr>
<td>&amp; 1101L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 2221</td>
<td>Introductory Microbiology and Introductory Microbiology Laboratory</td>
<td>4</td>
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<tr>
<td>&amp; 2221L</td>
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<tr>
<td>BIOL 3301</td>
<td>Anatomy and Physiology and Anatomy and Physiology Lab</td>
<td>4</td>
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<tr>
<td>&amp; 3301L</td>
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<tr>
<td>BIOL 3302</td>
<td>Anatomy and Physiology and Anatomy and Physiology Lab</td>
<td>4</td>
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<tr>
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<tr>
<td>CHEM 1101</td>
<td>Introduction to General Chemistry</td>
<td>3</td>
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<tr>
<td>CHEM 1102</td>
<td>Introduction to Organic and Biochemistry and Introduction to General Organic Biochemistry Laboratory</td>
<td>4</td>
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<tr>
<td>&amp; CHEM 1103</td>
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<tr>
<td>COMM 1101</td>
<td>Principles of Speech</td>
<td>3</td>
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<tr>
<td>ECON 2201</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>ENGL 1101</td>
<td>English Composition or ENGL 1101P English Composition Plus</td>
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</tr>
<tr>
<td>ENGL 1102</td>
<td>Critical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>HCA/HE 2210</td>
<td>Medical Terminology and Communication</td>
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<tr>
<td>MATH 1153</td>
<td>Introduction to Statistics</td>
<td>3</td>
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<tr>
<td>NTD 1101</td>
<td>Introduction to Dietetics</td>
<td>1</td>
</tr>
<tr>
<td>NTD 1104</td>
<td>Foods</td>
<td>3</td>
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<td>NTD 2204</td>
<td>Meal Management</td>
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<tr>
<td>NTD 2239</td>
<td>Nutrition</td>
<td>3</td>
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<tr>
<td>PSYC 1101</td>
<td>Introduction to General Psychology</td>
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</tr>
<tr>
<td>SOC 1101</td>
<td>Introduction to Sociology</td>
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Didactic Program in Dietetics Required Courses

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACCT 3303</td>
<td>Accounting Concepts</td>
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</tr>
<tr>
<td>ENGL 3307</td>
<td>Professional and Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3312</td>
<td>Individual and Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>NTD 3300</td>
<td>Medical Nutrition Therapy I</td>
<td>3</td>
</tr>
<tr>
<td>NTD 3300L</td>
<td>Medical Nutrition Therapy I Lab</td>
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<tr>
<td>NTD 3301</td>
<td>Medical Nutrition Therapy II</td>
<td>3</td>
</tr>
<tr>
<td>NTD 3301L</td>
<td>Medical Nutrition Therapy II Lab</td>
<td>2</td>
</tr>
<tr>
<td>NTD 3360</td>
<td>Nutrition Through the Lifecycle</td>
<td>3</td>
</tr>
<tr>
<td>NTD 3312</td>
<td>Quantity Foods</td>
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<tr>
<td>NTD 3312L</td>
<td>Quantity Foods Laboratory</td>
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</tr>
<tr>
<td>NTD 4407</td>
<td>Principles of Community Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTD 4408</td>
<td>Applications in Community Nutrition</td>
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</tr>
<tr>
<td>NTD 4410</td>
<td>Food Service Systems Management</td>
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<td>NTD 4410L</td>
<td>Food Service Systems Management Laboratory</td>
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<tr>
<td>NTD 4457</td>
<td>Experimental Foods</td>
<td>3</td>
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<tr>
<td>NTD 4461</td>
<td>Nutritional Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>NTD 4470</td>
<td>Dietetics Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>NTD 4485</td>
<td>Nutritional Biochemistry II</td>
<td>3</td>
</tr>
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</table>

In addition: Electives to total 120 credits. See advisor regarding class sequencing.

Dietetic Internship (DI) Program

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>NTD 4486</td>
<td>Dietetic Internship Seminar I</td>
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<td>NTD 4487</td>
<td>Dietetic Internship Seminar II</td>
<td>6</td>
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<td>NTD 4488</td>
<td>Internship in Dietetics I</td>
<td>11</td>
</tr>
<tr>
<td>NTD 4489</td>
<td>Internship in Dietetics II</td>
<td>11</td>
</tr>
</tbody>
</table>

1 A $1,450.00 course fee will be applied in addition to tuition for each NTD 4488 and NTD 4489.

Courses

**NTD 1101 Introduction to Dietetics: 1 semester hour.**
History of the profession, academic pathway, outline of internship expectations, career opportunities, and professional ethics. S

**NTD 1104 Foods: 3 semester hours.**
Fundamental processes underlying food preparation with emphasis on the chemical and physical properties of foods. Lecture and laboratory. F

**NTD 1139 Consumer Nutrition: 3 semester hours.**
Introduction to nutrition, relationships among food choices, levels of nutrition, health of the individual and family. Experiences in dietary analysis, label and advertising critiques, and discussions of current trends. Designed for non-science majors. D

**NTD 1199 Experimental Course: 1-6 semester hours.**
The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.

**NTD 2204 Meal Management: 2 semester hours.**
Management of money, time, and energy for the selection, preparation, and service of nutritious meals to fit current lifestyles. Lecture and laboratory. PREREQ: NTD 1104. S

**NTD 2239 Nutrition: 3 semester hours.**
Descriptive survey of nutrients required by the human body and the health consequences of nutrition practices. Study of food sources and proper dietary selection needed to fulfill human needs. Partially satisfies Objective 5 of the General Education Requirements. F, S, SU

**NTD 2299 Experimental Course: 1-6 semester hours.**
This course is not described in the catalog. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times.

**NTD 3300 Medical Nutrition Therapy I: 3 semester hours.**
Medical nutrition therapy for the prevention and treatment of diseases including obesity, eating disorders, diseases of the liver and gastrointestinal tract, cardiovascular disease and diabetes mellitus. PREREQ: Acceptance into Didactic Program in Dietetics. COREQ: NTD 3300L. F

**NTD 3300L Medical Nutrition Therapy I Lab: 2 semester hours.**
Introduction to the profession of dietetics and medical nutrition therapy. Development of nutrition assessment skills, care plans and modified diet writing. PREREQ: Acceptance into Didactic Program in Dietetics. COREQ: NTD 3300. F
NTD 3301 Medical Nutrition Therapy II: 3 semester hours.
Medical nutrition therapy in treatment of neurological and metabolic disorders, enteral and parenteral nutrition, HIV/AIDS, renal, pulmonary, neoplastic diseases, food allergies and intolerance. PREREQ: NTD 3300 and NTD 3300L.
COREQ: NTD 3301L. S

NTD 3301L Medical Nutrition Therapy II Lab: 2 semester hours.
Medical nutrition therapy in treatment of neurological and metabolic disorders, enteral and parenteral nutrition, HIV/AIDS, renal, pulmonary, neoplastic diseases, food allergies and intolerance. PREREQ: NTD 3300 and NTD 3300L.
COREQ: NTD 3301. S

NTD 3312 Quantity Foods: 3 semester hours.
Principles and procedures for preparation of quantity food. Experiences in food production facilities with coordination of management principles through cost control, supervision, and food production. Two hours lecture. PREREQ: NTD 1104 and NTD 2204. COREQ: NTD 3312L. F

NTD 3312L Quantity Foods Laboratory: 1 semester hour.
Practical application of food production methods in various facilities. COREQ: NTD 3312. F

NTD 3340 Nutrition for Health Professionals: 3 semester hours.
Nutrition through the lifecycle, function of nutrients in the body, medical nutrition therapy in the treatment and prevention of diseases. PREREQ: BIOL 3301 or BIOL 3302 or HO 0111. F, S

NTD 3360 Nutrition Through the Lifecycle: 3 semester hours.
Nutrition in pregnancy, lactation, infancy, childhood, adolescence, adulthood and senior adulthood. Physiological changes during the lifecycle and changing nutrient needs. PREREQ: NTD 2239. S

NTD 4407 Principles of Community Nutrition: 3 semester hours.
Introduction to nutritional programming and education in community and public health settings. Emphasis on principles of needs assessments, program planning, implementation and evaluation. Discussion of national nutrition status, food insecurity and identification of those at highest risk. PREREQ: NTD 3360, or NTD 2239 and permission of instructor. F

NTD 4408 Applications in Community Nutrition: 3 semester hours.
Application of nutritional programming and education in community and public health settings. Emphasis on conducting needs assessments, program planning, implementation and evaluation, nutrition presentations and nutrition counseling skills development. PREREQ: NTD 4407. S

NTD 4409 Professional Readings: 1-3 semester hours.
Identification and investigation of conceptual ideas about the relationship of programs, trends, legislation, and developments in food and nutrition. PREREQ: Permission of instructor. D

NTD 4410 Food Service Systems Management: 3 semester hours.
Principles and concepts of foodservice management planning, organization, and controls. Development of skills through projects in foodservice facilities. PREREQ: NTD 3312 and NTD 3312L. COREQ: NTD 4410L. S

NTD 4410L Food Service Systems Management Laboratory: 1 semester hour.
Practical application of foodservice management skills in various facilities. COREQ: NTD 4410. S

NTD 4439 Sports Nutrition: 3 semester hours.
Nutrition recommendations for competitive and recreational athletic performance. Rationale for nutrition practices through an examination of individual nutrient metabolism. Controversies and misinformation addressed. PREREQ: NTD 2239. D

NTD 4457 Experimental Foods: 3 semester hours.
Development of experimental methods and their application to cookery and food technology; preparation of student for independent investigation in foods; acquaintance with literature in the field. Two hours lecture/four hours laboratory. PREREQ: Junior standing and NTD 1104. F

NTD 4461 Nutritional Biochemistry I: 3 semester hours.
Advanced study of nutrition science, including protein, carbohydrate, lipid, vitamin, and mineral metabolism. Introduction to research methodology and professional literature. PREREQ: NTD 2239, CHEM 1101, CHEM 1102, and CHEM 1103 or higher levels of chemistry including inorganic, organic, and biochemistry. F

NTD 4470 Dietetics Senior Seminar: 2 semester hours.
Current issues in food and nutrition. Discussion of research and application to practice. PREREQ: Senior in Dietetics. F

NTD 4481 Special Problems in Nutrition and Dietetics: 1-2 semester hours.
Students select problems on the basis of special needs, interests, or abilities and work on them independently in the laboratory, library, or community, with regular conferences with the advisor. PREREQ: Permission of instructor. D

NTD 4485 Nutritional Biochemistry II: 3 semester hours.
Human metabolism in health and disease. Emphasizes interrelationships among hormones, carbohydrates, proteins, lipids, vitamins and minerals within tissues and organs. PREREQ: NTD 4461 or permission of instructor. S

NTD 4486 Dietetic Internship Seminar I: 6 semester hours.
Advanced studies in given areas of community nutrition, clinical nutrition and food systems management. Students investigate and present current research problems. Oral and written reports required. Graded S/U. COREQ: NTD 4488. F

NTD 4487 Dietetic Internship Seminar II: 6 semester hours.

NTD 4488 Internship in Dietetics I: 11 semester hours.
Supervised field experience at regional health care facilities, food service establishments, and community programs. Graded S/U. PREREQ: Admission into Dietetic Internship program. COREQ: NTD 4486. F

NTD 4489 Internship in Dietetics II: 11 semester hours.
Continuation of NTD 4488 with supervised field experience at regional health care facilities and food service establishments and community programs. Emphasis on entry level skills in clinical, community, and administrative dietetics. Graded S/U. PREREQ: NTD 4486 and NTD 4488. COREQ: NTD 4487. S

NTD 4492 Special Problems in Nutrition and Dietetics: 1-2 semester hours.
Students select problems on the basis of special needs, interests, or abilities and work on them independently in the laboratory, library, or community, with regular conferences with the advisor. PREREQ: Permission of instructor. D

NTD 4495 Dental Nutrition: 1 semester hour.
This course reviews the role of nutrition in attaining and maintaining optimum oral health. The course explores how the essential nutrients influence oral health, nutrition in special populations, and nutrition and disease processes that can influence oral health. This course is only available to students in the Idaho Dental Education Program in the Department of Dental Science. S

NTD 4499 Experimental Course: 1-6 semester hours.
The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.