

THE UNIVERSITY OF VERMONT

2000-2002 GRADUATE CATALOGUE ADDENDUM

Page 25 Educational and Living Expenses*

Tuition. The Tuition and fee charges listed here are for 2001-2002 only and are subject to change in future years. Tuition – Rates for the 2001-2002 academic year are as follows: For Vermont residents, **\$335.00** per credit hour; **\$4,020** flat rate for 12 hours and \$335.00 per credit hour in excess of 12 hours. For nonresidents of Vermont, **\$838** per credit hour; **\$10,050** flat rate for 12 hours, and \$838 per credit hour in excess of 12 hours.

The lower rates for Vermont residents are made possible by a subvention to the University from the State of Vermont.

* ***Bold, italicized words indicate a change and/or addition to text.***

GRADUATE STUDENT FEES*

Comprehensive Fee – based on the number of credits enrolled per semester. Students pay a Comprehensive Fee each semester according to the following schedule: 0-3 (including Continuous Registration), no fee; 4 credits, \$52; 5 credits, \$60; 6 credits **\$68**; 7 credits, **\$74**; 8 credits, **\$82**; 9-11.5 credits, **\$88**; 12 or more **\$252.50** (includes health fee).

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COURSE AND PROGRAM INFORMATION*

Pages 35-36 ***Anatomy & Neurobiology (ANNB)***

Neurobiology. Focus on molecular and cellular aspects of the nervous system. Electrical signaling, synaptic transmission, signal transduction, neural development, plasticity and disease. Prerequisites: BIOL 103 or ANPS 19 & 20. Cross-Listings: BIOL 261. Three hours. Murakami, Parsons.

Pages 36-37 ***Animal Sciences (ASCI)***

220 New Title: *Lactation Physiology*
Old Title: *Lactation and Milking*
New Description: Physiological mechanisms that control and affect lactation in domestic and laboratory animals with emphasis on dairy cattle. Includes mammary anatomy, development and health, and milk synthesis.
New Prerequisites: One chemistry course and one course in anatomy and physiology, or instructor permission.

272 *Advanced Topic in Zoos, Exotics and Endangered Species.* An exploration of modern zoo philosophy and ethics and the extent of human intervention necessary for the preservation of endangered species. Prerequisites: ASCI 171 and instructor permission. Three hours. Tuerk.

Pages 43-44 ***Botany (BOT)***

234 *Ecology of Freshwater Algae.*
New Description: Community, population and physiological ecology of algae. Topics include taxonomy, diversity, distribution and seasonal succession, productivity and grazing, growth kinetics, and competitive and synergistic interactions.
Prerequisites: BOT 160 or NR 103 or BIOL 102. Three hours. Hoffman, alternate years.

261 *Plant Growth and Development.*
New Description: Concepts in plant structure and development. Biophysics of plant structure and pattern-formation. Introduction to methods of plant microscopy and microtechnique. Prerequisites BOT 104, 108, Introductory Physics. Four hours. Lintilhac.

Pages 51-52 Civil and Environmental Engineering (CE)

241 *Traffic Operations & Design*. Advanced concepts of traffic engineering and capacity analysis; highway and intersection capacity; traffic analysis and simulation software; design and application of controls Instructor: Three hours. Adel W. Sadek

Pages 56-58 Computer Science (CS)

218 New Title: *Community Leadership, Organization, and Institutional Development*. New Description: Rose of civic engagement, leadership, and social and political institutions in a community development context. Special attention given to problems of formulation an implementation of alternative change strategies. New Prerequisites: Jr. Standing, CDAE 102, or permission. New Instructor: Schmidt.

222 New Prerequisites: CS 101

224 New Prerequisites: 103, 104; MATH 173 recommended.

251 New Title: *Artificial Intelligence*
Old Title: *Machine Intelligence*
New Prerequisites: CS 103, 104, STAT 151

260 New Prerequisites: CS 103, 104; MATH 124 and MATH 173 recommended.

264 New Title:

New Description: Normal development – birth through six years, developmental disorders, disabilities, medical/health considerations. Management of significant disabilities through the employment of such procedures as handling, positioning, and feeding

Pages 74-75 Geography (GEOG)

210 Delete: *Special Topics in Regional Geography*.

216 Delete: *Biogeography*.

233 Delete: *Rural Planning*.

242 Delete: Problems in Physical Geography.

245 *Advanced Topics in Human-Environment Interactions*. Advanced offerings on various manifestations of social-environmental relationships. Possible topics include sustainable development, environmental justice, and urban ecology. Prerequisites: Senior or Graduate standing with 9 hours in Geography, or instructor permission. Three hours.

246 *Advanced Topics in Climate and Water Resources*. Advanced analysis of regional climatology, 0.35(n)6.r1gsy rmnye(S,-11.-8.-17.4.(2

Pages 78 *Historic Preservation/History (HP)*

301A Change to HP 304.
New Title: *Seminar in Contemporary Preservation Planning and Policy.*
Old Title: *Historic Preservation Contemporary Practice.*

Page 86-87 *Molecular Physiology and Biophysics (MPBP)*

201-
202 *Human Physiology & Exercise.* A comprehensive in-depth presentation of the scientific basis of human function. Primarily for physical therapy students; a limited number of others may be admitted with permission. Prerequisites: CHEM 23 and 42 or equivalent, two semesters general physics, one semester mathematics, permission. Three-Three Hours. Instructor: Berger.

Pages 87-90 *Natural Resources – Wildlife and Fisheries Biology (WFB)*

352 New Title: Population Dynamics and Modeling. New Prerequisites: An ecology course, STAT 211 or NR 140. New Cross-listings: None: New Instructor: Donovan.

Pages 90-92 *Nursing (GRNU)*

334 Delete: *Theory & Practicum in Primary Health Care I.*

335 Delete: *Theory & Practicum in Primary Health Care II.*

350 *Theory and Practicum of the Primary Care of Children.* This course provides the theoretical basis for the primary care of children. An opportunity to apply and evaluate theories and research is provided in clinical settings. Prerequisites: GRNU 305, 310, 333. Five Hours. Pre/Corequisites: GRNU 306, 308 and 300 or 320.

351 *Assessment and Health Maintenance of Adults: Practicum.* Course provides opportunities for students to solidify knowledge of health assessment and initiate and evaluate interventions focusing on maintenance and enhancement of health of adults. Prerequisites: GRNU 305, 333. One hour.

352 *Theory and Practicum of the Primary Care of Women (FNP).* Course provides the theoretical basis needed by FNPs for the primary care of women. Opportunities for application are provided through a 67.5-ae theoretical basis needed by io2431N i8-10.5s-20.

390 New Credit Hours: Variable 1-3

391 New Credit Hours: Variable 1-6.

Pages 94-97 Physical Therapy (PT)

PREREQUISITES TO THE MPT PROGRAM*

Students must have completed 2 semesters of college chemistry, with *laboratory*, including introduction to organic chemistry; 2 semesters of college physics, with *laboratory*; and *1 semester of college math at least at the pre-calculus level, calculus preferred, or statistics.*

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201 New Corequisites: PT 211, 221. Three hours. Nelson.

202 New Prerequisites: PT 201. New Corequisites: PT 212, 222, 232. Two hours. Sands.

211 New Corequisites: PT 201, 221. Two hours. Zimmy.

212 New Prerequisites: PT 211. New Co/requisites: PT 202, 222, 232. Two hours. Henry.

221 New Corequisites: PT 201, 211. Two hours. Wu.

222 New Prerequisites: PT 221. New Corequisites: PT 202, 212, 232. Two hours. Held

232 New Prerequisites: PT 201, 211, 221. New Corequisites: PT 202, 212, 222. One hour. Nelson, Sands.

Pages 98-99 Plant and Soil Science (PSS)

215 Change Credit Hours for 3 to 2

217 Change Credit Hours from 3 to 2

223 Change Credit Hours from 3 to 2.

Pages 104-106 Social Work (SWSS) *

First Paragraph: Remove *Research Assistant Professor Felicio*

MASTER OF SOCIAL WORK

Replace first sentence in the second paragraph with the following:

In 2000-2001, a cohort of part-time students was admitted to the first year of the M.S.W. Program via a Distance/Off Campus option. Application for accreditation of this option was made during the spring 2001 semester. The option for them to complete the second half of the program via Distance/Off-Campus delivery rests on its accreditation. The Department of Social Work plans to make this option available to future applicants after it is accredited and in tandem with acquisition of the requisite university resources. This option enables students to complete the program on a part-time basis over four years. Each course is planned with a combination of distance delivery methods and live gatherings. Field practice, to be completed during the second and third year of the program, will be available in regions around the state. This course requirement entails 15-20 weekday (Monday-Friday) hours of fieldwork per week. Therefore, prospective students should plan ahead to arrange their schedules in order to accommodate the years when participation in the program entails taking the 15-20 hour a week practicum (3 credits per semester), a monthly field practicum seminar (1½ hours each meeting), and a social work practice course (3 credits per semester).

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REQUIREMENTS FOR ADMISSION TO THE GRADUATE STUDIES FOR THE DEGREE OF MASTER OF SOCIAL WORK*

6. Demonstrated achievement of designated liberal arts content in their undergraduate studies including some courses in each of the following areas; social sciences (defined as including sociology, political science, anthropology, economics, etc.); behavioral and life sciences (defined as including psychology, human biology, human ecology, etc.); and humanities (defined

New Graduate Faculty Since January 1, 2000

| | |
|---------------------|----------------------------|
| Rosalind E. Andreas | Education |
| Linda Backus | Education |
| Jacques A. Bailly | Classics |
| Caroline C. Beer | Political Science |
| Janice Y. Bunn | Mathematics and Statistics |

| | |
|-------------------|-----------------------------------|
| Markus Thali | Microbiology & Molecular Genetics |
| Milton Tignor | Plant and Soil Science |
| John Todd | Natural Resources |
| Austin Troy | School of Natural Resources |
| Bridget D. Turner | Education |
| Mark D. Usher | Classics |
| Luis Vivanco | Anthropology |
| Hui Wu | Infectious Diseases-Medicine |
| Xindong Wu | Computer Science |
| Chunfang Wei | Botany |
| Beverley Wemple | Geography |
| Marie E. Wood | Medicine |