

Karen P. Grant, Ph.D.

Assistant Professor in Biology

Academic Qualifications:

York University, Department of Biology, North York, Ontario

Ph.D., Biology, June 1997.

Thesis: "The effects of ultraviolet radiation on anurans from Ontario, Canada."

M.Sc., Biology, January 1991.

Thesis: "The effects of acidity on Ontario anurans."

University of Guelph, Guelph, Ontario

H.B.Sc., Biological Sciences. February 1988. Graduated with Honors.

University Teaching Experience:

2001- present	Assistant Professor (UMHB)	Herpetology (BIOL4440) Vertebrate Biology (BIOL4400) Ecology (BIOL4491-02 [3470 2007 catalog]) Anatomy and Physiology II (BIOL2441) Living World (BIOL1405) Introductory Zoology (BIOL1410)
1995-1996	Lab coordinator (York U)	Biology of Sex (NATS1660)
1989-1996	Lab demonstrator (York U)	Behavioral Ecology (BIOL4070) Comparative Chordate Anatomy (BIOL4350) Genetic Revolution (NATS1680) Herpetology (BIOL4420) Introductory Biology (BIOL1010) Mammalian Systematics and Ecology (BIOL4240) Natural History (BIOL4100) The Living Body (NATS1610)
1994, 1993, 1992, 1990	Guest Lecturer	Ecology (BIOL2050) Behavioral Ecology (BIOL 4070) Natural History (BIOL4100) Advanced Intro Biology (BIOL1020)
1994-1995, 1992-1993	Marker	Ecology (BIOL2050/2070)

Research Experience:

- 1997 Investigating a pH/UV synergism on anuran embryonic development.
- 1991-1997 Effects of ultraviolet radiation on amphibians.
- 1989-1990 Effects of acidity on amphibians.
- 1988 Research assistant on the Cane Toad Project (supervisor Mark Hearnden)
(Oct-Nov) based from James Cooke University, Townsville, Queensland, Australia.

Publications:

Refereed Publications:

- Licht, L.E. and K.P. Grant. 1997. The effects of ultraviolet radiation on the biology of amphibians. *American Zoologist* 37: 137-145.
- Grant, K.P. and L.E. Licht. 1995. Effects of ultraviolet radiation on life-history stages of anurans from Ontario, Canada. *Canadian Journal of Zoology* 73: 2292-2301.
- Grant, K.P. and L.E. Licht. 1993. Acid tolerance of anuran embryos and larvae from central Ontario. *Journal of Herpetology* 27(1): 1-6.

Nonrefereed Publications:

- Grant, K.P. and L.E. Licht. 1996. Effects of ultraviolet radiation on amphibian eggs. Froglog IUCN/SSC Declining Amphibian Populations Taskforce, February 1996, No. 16.

Conference Papers:

- Grant, K.P. and L.E. Licht. 1995. Effects of ultraviolet radiation on amphibian eggs. DAPCANV - Fifth Annual Meeting of the Task Force on Declining Amphibian Populations in Canada, Burlington, Ontario, Canada.
- Grant, K.P. and L.E. Licht. 1994. Effects of ultraviolet radiation on life history parameters of frogs from Ontario, Canada. Second World Congress of Herpetology, Adelaide, South Australia.
- Grant, K.P. and L.E. Licht. 1991. The effects of acidic precipitation on Ontario frog species. Herpetological League/Society for the Study of Amphibians and Reptiles Joint Meeting, New Orleans, Louisiana.

Work Experience:

2001-present	Assistant Professor	University of Mary Hardin-Baylor, Belton, TX
1997-2000	Team leader/Career Counselor	Employment Resource Centre Parry Sound, ON
1998-1999	Seminar Leader	Learning Unlimited, Parry Sound, ON
1997	Postdoctoral Fellow	<i>D.M. Green</i> , Redpath Museum, McGill University
1989-1996	Teaching assistant	<i>York University</i> , North York, Ontario
1988	Research Assistant	<i>Mark Hearnden</i> , James Cooke University Townsville, Queensland, Australia

University Service:

- 2006-2007
 - Participated in Majors/Minors Fair.
- 2005-2006
 - Participated in Fall Preview Weekend.
 - Advising for BS Biology 8-12 Teacher Certification (ongoing).
 - Chemistry Faculty Search Committee (ongoing).
 - Participated in Majors/Minors Fair.
- 2004-2005
 - Advising for Bachelor Applied Science/Biology, Pre-Optometry, Pre-Physician's Assistant (ongoing).
 - Participated Fall Preview Weekend.
 - Participated in Majors/Minors Fair.
 - Biology Faculty Search Committee.
- 2003-2004
 - Health Professions Advisory Committee (ongoing).
 - Diversity Committee (ongoing).
 - Advising for Organismal Biology (to 2005).
 - Biology faculty Search Committee.
 - Teacher Education Council.
- 2002-2003
 - Biology Faculty Search Committee.
 - Participated in Fall Preview weekend.
- 1996
 - Student liaison for the Ecology Hiring Committee.
- 1995
 - Presented seminar on "An introduction to teaching undergraduate biology labs" for TA Day September 1995.
- 1994
 - Guest lecture for BIOL2050 (Ecology), "The effects of selected environmental contaminants on animal populations".
 - Guest lecture for BIOL4070 (Behavioral ecology), "Parental care systems across the animal taxa".
- 1993-1994
 - TA Assistance Forum - consulting service for Teaching assistants.
 - Ecolunch Seminar Series Graduate Assistant.
- 1993
 - Guest lecture for BIOL2050 (Ecology), "The effects of environmental contaminants on amphibians".
 - Panel member in a workshop on being an effective teaching assistant in biology for TA Day September, 1993.
- 1992
 - Guest lecture for BIOL4100 (Natural History) "The effects of heavy metals, cations, and pesticides on amphibians".
- 1991-1992
 - Association of Graduate Students in Biological Sciences - Co-Chair.
- 1990
 - Association of Graduate Students in Biological Sciences - Christmas Party Committee.
 - Guest lecture for BIOL1020 (Advanced Introductory Biology) on the effects of acidic precipitation on amphibians.

External and Professional Service:

- 2001
 - Presentation “Flora & Fauna of Australia” – Twin Lakes Audubon Society.
- 1998
 - Chaired (Amphibia) Ecology/Predator-Prey/Recruitment/Mortality Session at the 78th annual meeting of the American Society of Ichthyologists and Herpetologists.
- 1996-1999
 - Contributor of herpetological articles to “The Sounding Line”.
- 1991-2000
 - Active member of the Ontario Herpetological Society. Wrote column, “Herps in Science/Science for Herps”, in the bimonthly newsletter as well as two feature articles annually.
- 1997
 - Lecture to the Parry Sound Nature Club, “Natural History of the amphibians of the Parry Sound Region”.
 - Participant in the Amphibian Re-Introduction Symposium Held at the Royal Botanical Gardens, Hamilton, Ontario.
- 1995
 - Lecture to the Ontario Herpetological Society, “Herpetological fauna found in the outback of Australia”.
- 1994-1995
 - Elected Vice President of the Ontario Herpetological Society.
- 1994
 - Lecture to the Ontario Herpetological Society, “Factors influencing herp density and diversity”.
- 1992
 - Lecture to the Ontario Herpetological Society, “The effects of acidity, pesticides and ultraviolet radiation on amphibian and reptile populations”.
 - Guest on TVO production “Common Ground”, a program looking at the impact of man on the environment. Episode aired October 2, 1992.