NAME: ____Rebecca Rundell_________

I. INSTRUCTIONAL ACTIVITIES

1. Regular Course Offerings

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credit</th>
<th>No.</th>
<th>No. of Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMMER:</td>
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<td>FALL:</td>
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<tr>
<td>SPRING:</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>311</td>
<td>Principles of Evolution</td>
<td>3</td>
<td>142</td>
<td></td>
</tr>
<tr>
<td>355</td>
<td>Invertebrate Zoology</td>
<td>4</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>796</td>
<td>Invertebrate Zoology</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>Diversity of Life (10% of course)</td>
<td>3</td>
<td>160</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: PLEASE INDICATE WHICH COURSE(S) HAD A SERVICE-LEARNING COMPONENT AND BRIEFLY EXPLAIN THE NATURE OF THIS COMPONENT. For examples of service-learning in courses, see: http://www.esf.edu/students/service/courses.htm. Service-learning is a form of structured experiential education in which students engage with the community to be active learners, to enrich their sense of civic responsibility, and to explore practical application for course content. Faculty oversight, reflective thinking, and reciprocity are key components of service-learning.

2. Non-Scheduled Course Offerings (e.g., 496, 899, 999)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credit</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>298</td>
<td>Rsch Internship/Envrn Biology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Prof Internship/Envrn Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>798</td>
<td>Rsch Prob/Envrn Biology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>899</td>
<td>Masters Thesis Research</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>999</td>
<td>Doctoral Thesis Research</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spring 2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Prof Internship/Envrn Biology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Undergrad Exp/College Teaching</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Independent Research/Envrn Biology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>798</td>
<td>Rsch Prob/Envrn Biology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>899</td>
<td>Masters Thesis Research</td>
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<td></td>
</tr>
<tr>
<td>999</td>
<td>Doctoral Thesis Research</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
3. Continuing Education and Extension (short courses, workshops, etc.)

Spring 2016

- “Chitt Chat” Progress and Next Steps Workshop with Chittenango Owate Amber Snail Conservation Stakeholders (Cody Gilbertson* and R.J. Rundell), 29 January 2016, SUNY-ESF (Attended by NY DEC, USFWS, Seneca Park Zoo, Rosamond Gifford Zoo, NY State Parks, etc.); 20 attendees

- Evolution Discussion Group (postdocs, faculty, graduate, and undergraduate students from EFB and SU; average attendance of about a dozen attendees) co-organized with David Bullis*

* Graduate Student

4. Guest Lecture Activities

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>No. of Lectures</th>
</tr>
</thead>
</table>

II. STUDENT ADVISING

A. Number of undergraduates for whom you are the student’s official advisor __20___ and unofficial advisor __2__

B. Graduate Students: (list name, degree sought, starting date, month & year; if a degree was completed, please give date and full citation for the thesis or dissertation).

MAJOR PROFESSOR

Mr. Logan Osterhoudt    M.P.S. (Graduated May 2016)
Ms. Cody Gilbertson     M.S. (Started August 2013)
Mr. Jesse Czekanski-Moir Ph.D. (Started August 2014)
Ms. T. Rose Osborne     Ph.D. (Started August 2015)
Mr. David Bullis        Ph.D. (Started January 2016)

CO-MAJOR PROFESSOR

MEMBER, STEERING COMMITTEE (other than those listed above)

Mr. David Kelton Moss, Ph.D., Syracuse University Dept. of Geology
Mr. Joshua Weber-Townsend M.S., EFB

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

Ms. Maria Victoria Marini, M.S. Environmental Science

III. RESEARCH COMPLETED OR UNDERWAY
A. Departmental Research (unsupported, boot-legged; title - % time spent)
- Collaboration with Dr. Mike Barker and Mr. Zheng Li* at the University of Arizona Dept. of Ecology and Evolutionary Biology on hexapod polyploidy, data collection supported by Barker’s grant, 10%
- Collaboration with Jesse Czekanski-Moir* (SUNY-ESF), Dr. Mike Barker, Mr. Chris Reardon,** and Mr. Zheng Li* at the University of Arizona Dept. of Ecology and Evolutionary Biology on mollusc polyploidy (cephalopod project and gastropod project), data collection supported by Barker’s grant, 10%
- Collaboration with Dr. Carl Christensen at Bishop Museum (Honolulu, Hawaii) on extinct Hawaiian Carelia land snail causes of extinction and rat predation project, unsupported, 5%
- Diplomatinitid systematics and diversity, unsupported, 15%
- Belau endodontoid evolution, biogeography and conservation, partially supported by past Seed grant, 5%
- Phylogenetics of the Chittenango ovate amber snail in the context of global succineid diversity (with post-graduate Emlyn Clark and David Bullis*), partially supported through GLRI grant, 5%
- Phylogenetics and shell morphology of Belau endemic assimineid land snails (with undergraduate honors student Tim Gervascio** and Jesse Czekanski-Moir*), unsupported, 5%
* Graduate Student, **Undergraduate Student

B. 1. Grant-supported Research (source, subject, amount - total award and current year, award period starting and ending dates; list graduate research assistants supported by each grant)


2. Research Proposals pending (include information as in B.1., above).

Rundell, R.J. (PI) and Q. Wheeler (co-PI) NSF CSBR. DBI-Biological Research Collections. Program Solicitation NSF 15-577. Submitted 10 September 2015. Natural History: Securing, Expanding, and Making Accessible the Roosevelt Wild Life Collections at the State University of New York College of Environmental Science and Forestry. $491,705 requested. (6/1/2016-5/31/2018) [Update from Program Director Reed Beaman (NSF Division of Biological Infrastructure) on 4 May 2016: There is still a possibility that it will be funded. Our grant is among a small number of proposals held into the summer in case funds become available.]


3. Research Proposals submitted, but rejected (include information as in B.1, above)

Rundell, R.J. (PI) and J.E. Czekanski-Moir* (co-PI). National Geographic Society Waitt Foundation. Roads, rivers and radiations: Discovering the geography of endemcity and invasions in Palau. [Full proposal to National Geographic Society Committee for Research and Exploration rejected; Encouraged by Senior Program Officer to submit full proposal directly to NGS Waitt Foundation, Submitted 21 August 2015.] $14,600 requested. (5/20/2016-8/20/2016)

(Ph.D. student T. Rose Osborne* also submitted grant applications to the NSF Graduate Research Fellowship Program, National Defense Science and Engineering Graduate Fellowship, and several other smaller grants (Sigma Xi, etc.), of which one has been awarded thus far; Ph.D. student David Bullis* applied to a few smaller research grants of which one has been awarded thus far)

* Graduate Student

** IV. PUBLICATIONS **

(V Full bibliographic citation, i.e., do not use "with Jones," or "Jones, et al."); please list only publications published, in press, or actually submitted during this reporting period --- do not list manuscripts in preparation).

A. Refereed Publications

Li, Z.*, Reardon, C.,** Kidder, T.,** Rundell, R.J., and Barker, M.S. Multiple whole genome duplications during the evolution of hexapods. Nature. Ms. was sent out for full review 7 March 2016, rejected 6 April 2016; preparing for re-submit to Science

B. Non-refereed Publications


C. Papers Presented at Science Meetings (give title, date, occasion, and location)


* Graduate Student; ** Undergraduate Student

D. Public Service Presentations (lectures, seminars, etc. to and for the public; give group or occasion, date(s), and attendance)

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)
   1. Government Agencies (Federal, State, Local):

   2. Industrial and Commercial Groups, etc.

Sotheby’s. Consult on conservation status (CITES, etc.) for art objects and artifacts that include invertebrates

B. Unfunded Service to Governmental Agencies, Public Interest Groups, etc.

Representative-at-Large, Board of Directors. Natural Science Collections Alliance (part of the American Institute of Biological Sciences (AIBS)) (Term: 3 years beginning Fall 2014). [The NSC Alliance is a national organization that influences policies and resources for institutions that house collections (e.g. connecting to congress, NSF and other agencies.] Participated in Board of Directors meetings. Contributed to governmental advocacy, visioning, mission statement and strategic planning for the organization and represented university Collections, particularly small university Collections.

VI. PROFESSIONAL DEVELOPMENT

A. Professional Honors and Awards (for teaching, research, outreach, etc.)

Research Associate, Carnegie Museum of Natural History, Pittsburgh, PA (renewed annual terms, beginning late Spring 2015)

Research Associate, Paleontological Research Institution, Ithaca, New York (3-yr term beginning January 2015)

B. 1. Activities in Professional Organizations (offices held, service as chairman, member, participant or consultant)

Member and Specialist, IUCN (International Union for Conservation of Nature) Species Survival Commission, Molluscs

   2. Professional Society Membership

American Malacological Society
Paleontological Research Institution
Society for the Study of Evolution

   3. Other Professional Activities

      a. Editorial activity

<table>
<thead>
<tr>
<th>Journal (s)</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malacologia</td>
<td>Associate Editor</td>
</tr>
</tbody>
</table>
Other (books, symposia, etc.)

*Invertebrates*, Third Edition (Brusca, Moore & Shuster), Sinauer Associates
Proofreader and Reviewer for entire book (28 Chapters, 1104 pages)

b. Reviewer

<table>
<thead>
<tr>
<th>Journal(s)</th>
<th>No. of manuscripts</th>
</tr>
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<tbody>
<tr>
<td><em>Molecular Biology and Evolution</em></td>
<td>1</td>
</tr>
<tr>
<td><em>ZooKeys</em></td>
<td>1</td>
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</tbody>
</table>

(Invitations declined:
*Biological Conservation*
*Bulletin of the American Museum of Natural History*
*Evolution*, Fourth Edition (Futuyma), Sinauer Associates, Ch. 7 Genetic Drift (Doug Futuyma and Mark Kirkpatrick)
*Zoological Journal of the Linnean Society*)

<table>
<thead>
<tr>
<th>Agency</th>
<th>No. of proposals</th>
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<tbody>
<tr>
<td>National Science Foundation</td>
<td></td>
</tr>
<tr>
<td>Division of Environmental Biology</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
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</tbody>
</table>

American Museum of Natural History Student Conference on Conservation Science, New York: Abstracts

c. Participation (workshops, symposia, etc.)

<table>
<thead>
<tr>
<th>Name of workshop, etc.</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cornell University Herbarium: Training on the Repair and Remounting of Damaged Herbarium Sheets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visitor at University of Arizona, Dept. of Ecology and Evolutionary Biology (Tucson, AZ); forged new collaborations on paleopolyploidy and diversification in invertebrate animals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

D. Foreign Travel (Where, When, Purpose)

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Head Curator, Roosevelt Wild Life Collections (development, planning and oversight of Collections); worked with Collections Manager Ron Giegerich to ensure preparation and curation of marine mammal specimens and other
incoming specimens
Leadership committee of RWLS, contributing to e.g. Visioning and Strategic Planning
EFB Herbarium Remounting Project, co-supervisor (with Alex Weir)
Biotechnology Major Committee
Assisted in evaluating prospective Dence and Wang Awardees

B. College-level

Destiny USA, Traveling and Other Exhibit Explorations (donors, specimen acquisition, design, and implementation)
Roosevelt Wild Life Education and Research Center Planning and Architecture
Roosevelt Wild Life Station Collections Committee (leadership of Honorary Advisory Council members)

Samples of press in service of the College and Dept. this year (GLRI project with M.S. student Cody Gilbertson):

“A Big Effort to Save Tiny Snails,” Hypothesis, WNYC, 3 December 2015
http://www.wnyc.org/story/big-effort-save-tiny-species

“Stowaway Snail Helps Save Species from Extinction,” Scientific American, 6 November 2015
http://blogs.scientificamerican.com/extinction-countdown/stowaway-snail/

“Near-Extinct, Tiny Snail Coaxed into Captive Reproduction in Laboratory,” ScienceDaily, 28 September 2015
https://www.sciencedaily.com/releases/2015/09/150928153037.htm

“Snail Sex in SUNY ESF Lab Could Save endangered, Thumb-Sized Species,” Syracuse.com, 4 August 2015

C. University-wide, including Research Foundation

VIII. SUMMARY OF SIGNIFICANT ACTIVITIES AND ACCOMPLISHMENTS DURING THIS REPORTING PERIOD, ESPECIALLY THOSE MOST NOTEWORTHY AND RELATIVE TO THE COLLEGE’S AND DEPARTMENT’S MISSION.

One paragraph on each of the following (i.e., three paragraphs total) would be most helpful: this past year, what have you done for our students, department/college, and self professionally? NOTE: The information in this section (along with the supporting specific information elsewhere in this report) should be your strongest case for being considered for a discretionary raise (when available), which I’ll continue to award based on your contributions to the department and college this reporting period.

Students:

My Invertebrate Zoology (EFB 355) course has grown stronger and more popular with students, and we added to our slimy roster of fresh dissections this year with blue crabs from the Asia Food Market. I emphasize hands-on activities with live animals (e.g. feeding and observing behaviors of sea urchins, sea stars and anemones), dead specimens from our heavily used Invertebrates Teaching Collection (also used in Adams’ Diversity of Life and Schulz’s Marine Ecology), and small group “inverted classroom” demonstration projects. This year our class was also treated to an exclusive behind the scenes tour at the Paleontological Research Institution and its Museum of the Earth in Ithaca, NY followed by a competitive invertebrate-themed scavenger hunt throughout the exhibits. The winner received a stuffed sea scorpion, New York State’s fossil. The Museum also donated several sea scorpion fossils to our Invertebrate Teaching Collections. We have begun to reorganize and modernize these teaching collections by
incrementally adding sorely-needed cabinets through academic replacement funds and a team effort involving invertebrate graduate TAs, undergraduate TAs and myself. We are also beginning to evaluate slides and specimens needing repair and replacement. Some of these specimens are rare or difficult to acquire because of their conservation status, and their heavy use in our teaching programs makes their care and growth all the more important. David Bullis and four undergraduate TAs did an outstanding job with managing our very dynamic lab this year and it has been deeply gratifying to see Bullis’s extraordinary growth as a teacher and invertebrate expert, from a few years ago when he served as an undergraduate TA in this course. We were also fortunate to have guest lectures in inverts this year from world renowned annelid evolution specialist Dr. Damhnait McHugh (Colgate University) and our own EFB ant specialist, Ph.D. student Jesse Czekanski-Moir.

Principles of Evolution (EFB 311) was a big effort that brought our students in close contact with recent evolutionary biology research (e.g. student-generated Darwin-Wallace Day Poster event at Moon Library, the only International Darwin Day event of its kind in Syracuse) and real fossils (field trips (in the snow!) to two local fossil outcrops and special programs at the Museum of the Earth with paleontologist Dr. Rob Ross). We were also fortunate to be one of the few colleges in the country to host a one-on-one Skype chat with Dr. Jerry Coyne, New York Times best-selling author of *Why Evolution is True*. Students read his book during the semester and on the last day of class had the opportunity to ask Dr. Coyne questions about topics ranging from racism to species concepts. Our TA for the course, Ph.D. student Jesse Czekanski-Moir, also exhibited his talent and passion as a teacher, giving a guest lecture to 142 students and leading lengthy and well-received review sessions. With Ph.D. student David Bullis we also continued the Evolution Discussion Group, which has been well-attended by graduate students, undergraduates, post docs and faculty from ESF and SU. Our group also hosted an intimate conversation with visiting extinct marine reptile evolution and morphology expert Dr. Ryosuke Motani.

Our lab added a new Ph.D. student and an undergraduate and graduated an M.P.S. student. We now have three Ph.D. students, an M.S. student, and a few dedicated undergraduate researchers. Students are working on topics ranging from endangered land snail phylogenetics, to polyploidy, body size evolution, and captive breeding of rare species. We finally have a critical mass of students that are collaborating with one another and generating fresh ideas centered around invertebrate evolution and conservation. Ph.D. students in the lab have been awarded competitive research grants from the Conchologists of America (Rose Osborne) and the MCZ at Harvard (David Bullis) and have applied to many more. Ph.D. student Jesse Czekanski-Moir also completed the MBL Woods Hole Molecular Evolution Workshop and trained in bioinformatics and genomics as a scientific visitor in the Barker Lab in the Dept. of Ecology and Evolutionary Biology at the University of Arizona in Tucson. Czekanski-Moir also delivered an outstanding seminar at UA on mollusc genome evolution that was attended by many of the top people in our field.

EFB/College:

My main service to the department and college has been as Head Curator of the Roosevelt Wild Life Collections, where I have had the opportunity to collaborate with RWLS leaders Drs. James Gibbs and Jacqui Frair, collections manager Ron Giegerich and our many scientists in residence, as well as members of the RWLS Honorary Advisory Council. I have also had the opportunity to assist Dr. Alex Weir in the Herbarium as the remounting of specimens damaged in the flood has commenced. RWLS work has been largely focused on planning the new museum space in Gateway, including working with architects and visiting the American Museum of Natural History to help develop exhibit plans. I have spent a large amount of time working on potential collaborations with Destiny USA and prospective donors on exhibits that would raise the profile of the College, our department, and RWLS. I have also submitted large grants to NSF and IMLS to fund modern cabinetry and curation work that would help secure and make accessible our invaluable natural history collections. If funded these would be one piece of a much broader effort to ensure the growth and use of both research and teaching collections at ESF for decades to come. I have also been involved in advocacy for university collections like ours through my role as a Representative-at-Large on the Board of Directors of the Natural Science Collections Alliance.

Research in our lab has also contributed positively to EFB and the College’s already strong role in endangered species conservation. My GLRI grant on the Chittenango ovate amber snail (COAS) has helped to fund M.S. student Cody Gilbertson, who had a major scientific breakthrough in captive breeding of healthy snails this year, culminating in the first release of captive-reared individuals of this rare species. We were fortunate to receive some nice press for this work from outlets like *Scientific American* and *WNYC’s Hypothesis*. The work is an ongoing collaboration involving USFWS officer Robyn Niver, collaborators from the Seneca Park and Rosamond Gifford Zoo,
NY State Parks, and many others. Gilbertson led an in-depth workshop on the COAS project earlier this semester, which brought all of these stakeholders to our campus to discuss the conservation outlook for the species.

Self:

This year I was an invited panelist and speaker for the “The Tree of Life: State of the Art” discussion at Ithaca’s Darwin Days 2016, sponsored by the Paleontological Research Institution and Cornell University. I also was asked by the lead author to be the proofreader and reviewer for the third edition of Brusca et al.’s *Invertebrates* (Sinauer Associates). This edition represented a major overhaul of content and required a careful eye on both research and teaching contexts for use of the book. At >1000 pages, this was a major undertaking. But it was gratifying to see how this work impacted the volume and how I could involve my students as test cases for the text and figures, and bring my research knowledge to bear on diverse aspects of the writing. Being asked to review in this capacity was also professional honor, since the first edition was so seminal in my own early education in invertebrate zoology.

Some of the other highlights for this year include being asked to serve as Associate Editor for the top malacology journal, *Malacologia*, as well as presenting an invited symposium talk at the American Malacological Society Annual Meeting at the University of Michigan Biological Station, which I attended with one of my Ph.D. students, David Bullis, who also presented. My main research visit this year involved working at the University of Arizona with the Barker Lab and colleagues, as we ask some exciting new questions about the role of whole genome duplications in animal evolution. My work on the diversification and conservation of the land snails of Belau continues especially through collaborations with members of my lab.

**IX. A. FUTURE PLANS, AMBITIONS, AND POTENTIAL CONTRIBUTIONS FOR YOUR OWN PROFESSIONAL DEVELOPMENT AND THE ENHANCEMENT OF THE PROGRAM IN ENVIRONMENTAL AND FOREST BIOLOGY (brief summary)**

Self:
I plan to focus on writing and mentoring graduate and undergraduate researchers.

Department:
I plan to continue my strong contribution to Collections at the College and Department levels, although I am beginning to become frustrated with barriers that seem to thwart the steady progress and realization of seemingly achievable goals. There is no shortage of creativity and sheer will among RWLS leadership, but I worry that some truly transformative natural history programs for our students may never come to fruition without a reliable and tangible influx of resources and positivity.

**B. PROJECTED ACTIVITIES FOR NEXT YEAR**

1. Summer 2016
   a. Course(s) to be offered
   
   b. Proposed research activity

write NSF CAREER grant and investigate other possible research grants

potential collaboration with NY Natural Heritage

Collaboration with Ph.D. Student Jesse Czekanski-Moir, Dr. Mike Barker, Mr. Zheng Li and Mr. Chris Reardon (University of Arizona) on animal polyploidy research
Collaboration with Dr. Carl Christensen at Bishop Museum (Honolulu, Hawaii) on extinct *Carelia* land snail causes of extinction and rat predation project

Collaboration with Ph.D. student Jesse Czekanski-Moir and Dr. Rei Ueshima, University of Tokyo, Diplommatinidae of Belau systematics

Collaboration with M.S. student David Bullis in Illick Hall on Belau endodontoid land snail evolution and conservation research

Collaboration with undergraduate honors student Tim Gervascio on assimineid phylogenetics project

Collaboration with post-graduate Emlyn Clark on succineid phylogenetics project

Reviewing and wrapping up M.S. student Cody Gilbertson’s thesis and collaborating on related paper

c. University, professional society, and public service

Attend Society for the Study of Evolution/American Society of Naturalists Annual Meeting in Austin, TX with two Ph.D. students (unfunded)

Head Curator for the Roosevelt Wild Life Collections, Collections Committee for Roosevelt Wild Life Collections

Leadership team for Roosevelt Wild Life Station

EFB Herbarium Remounting Project Supervision

*Malacologia* Associate Editor

Representative-at-Large, Board of Directors. Natural Science Collections Alliance (part of the American Institute of Biological Sciences (AIBS))

2. Fall Semester 2016

   a. Course(s) to be offered

   potentially Evolution Discussion Group as an official graduate seminar

   b. Proposed research activity

   continuation of above (1b.)

   c. University, Professional society, and public service

   Head Curator, Roosevelt Wild Life Collections (development, planning and oversight of Collections);

   Leadership committee of RWLS, contributing to e.g. Visioning and Strategic Planning

   Biotechnology Major Committee

   Destiny USA, Traveling and Other Exhibit Explorations (donors, specimen acquisition, design, and implementation)

   Roosevelt Wild Life Education and Research Center Planning and Architecture

   Roosevelt Wild Life Station Collections Committee (leadership of Honorary Advisory Council members)

   *Malacologia* Associate Editor

   Representative-at-Large, Board of Directors. Natural Science Collections Alliance (part of the American Institute of Biological Sciences (AIBS))

3. Spring Semester 2017
a. Course(s) to be offered

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>311</td>
<td>Principles of Evolution</td>
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</tr>
<tr>
<td>211</td>
<td>Diversity of Life (10% of course)</td>
<td>3</td>
</tr>
</tbody>
</table>

b. Proposed research activity

continue 1b. as possible

c. University, professional society, and public service

Head Curator, Roosevelt Wild Life Collections (development, planning and oversight of Collections); Leadership committee of RWLS, contributing to e.g. Visioning and Strategic Planning
Biotechnology Major Committee
Destiny USA, Traveling and Other Exhibit Explorations (donors, specimen acquisition, design, and implementation)
Roosevelt Wild Life Education and Research Center Planning and Architecture
Roosevelt Wild Life Station Collections Committee (leadership of Honorary Advisory Council members)
*Malacologia* Associate Editor
Representative-at-Large, Board of Directors. Natural Science Collections Alliance (part of the American Institute of Biological Sciences (AIBS))