10-23-2019

Currents of Change II: Reshaping the Landscape of the University
ETD Administrative Process

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Currents of Change II: Reshaping the Landscape of the University ETD Administrative Process

Jaime M. Goldman
Keri Baker

October 23, 2019
45th IAMSLIC Annual Conference
Port Aransas, Texas, USA
Abstract

The Nova Southeastern University (NSU) Oceanographic Campus Library has always had a unique challenge in that it is the final clearing house for student capstone, thesis, and dissertation binding and publication. The library has traditionally been the host of the final print publication and the liaison between the student, the program office, and the bindery. With the launch of NSUWorks, NSU’s institutional repository, 6 years ago, the library envisioned developing an innovative and effective start to finish workflow for student Electronic Theses and Dissertations (ETDs) and worked to change the physical life cycle of NSU’s theses and dissertations into a virtual ETD life cycle. In 2015, the first steps of this process were presented to the SAIL community at their annual meeting in the presentation “Currents of Change: Forming Symbiotic Relationships through Management of the Waves of Scholarly Information Output at an Academic Research Library.” As the workflows have changed and developed beyond imagination, this follow up presentation at the IAMSLIC international conference will showcase the evolution of the ETD life cycle at NSU, with updates, timelines, insights, and lessons learned. Now, over 4 years later, every step of the process, from proposal to defense to review and final published draft, is contained within the online NSUWorks ecosystem. Attendees will learn how to harness the power of their institutional repositories to host non-traditional workflows and how to become deeply embedded in the daily operations of university administrative processes.

• Keywords: institutional repositories, ETD administration, embedded library services, best practices, information management, changing roles of libraries
Acronyms

ETD = Electronic Theses and Dissertations
CTD = Capstones, Theses, and Dissertations
IR = Institutional Repository
CNSO = College of Natural Sciences & Oceanography
Outline

• Synopsis of Currents of Change I
• Snapshot of how far we’ve come along with NSUWorks
• Pick a Path
• Questions
Currents of Change: Forming Symbiotic Relationships through Management of the Waves of Scholarly Information Output at an Academic Research Library

Presented at SAIL Regional Conference
Charleston, South Carolina
May 19-22, 2015
Currents of Change

• In 2015, we presented our new institutional repository, NSUWorks, to the SAIL annual meeting in South Carolina

• NSUWorks was about 1 year old and our ETD program was even younger.
  • Outlined short and long term goals for our ETD processes.
2015 Future ETD Goals

• University Realignment – we now have Biological Sciences ETD

• Year 1 Goals
  • Upload all ETD into backend
  • Publish all incoming NEW ETD
  • Launch OC ETD Submission in NSUWorks

• Year 2 Projection
  • Permission granted for all historical dissertations at OC
  • All future ETD graduating students submit via online portal

• 5 Year WishList
  • All ETD in NSUWorks

• 10 Year WishList
  • No more binding – all electronic ETD
What Have We Accomplished So Far?

Timeline ETD History
Halmos ETD Series

Downloads Per Year
Halmos Representation in NSUWorks

Nova Southeastern University

Total Objects: 55,000
Total Downloads: 4.6M
Total 2019 Downloads: 1.6M

Halmos College of Natural Sciences and Oceanography

13%
Halmos CNSO vs Total Collection

Halmos Student Publications

16%
Student Objects vs Total Halmos Collection

34%
Total Halmos Downloads

47%
2019 Total Halmos Downloads
NSU Halmos College - ETD Lifecycle

Publication in Journal
Publish findings in journal

Degree Conferral
Confer degree with program office - Graduation!

Proposal
Submission & Approval

Defense Approval
Submission & Approval; Defense

Publication Submission
Submit Final Manuscript; Committee Review & Approval; Publication in NSUWorks; Publication in ProQuest (Dissertations)

Marketing
Altmetrics; ORCID; Kudos; Conferences; Online CV

© Copyright PresentationGo.com – The free PowerPoint template library
NSU Halmos College – ETD Timeline

- [LINK](#) to Timeline Map
## ETD Challenges

<table>
<thead>
<tr>
<th>Category</th>
<th>Challenges</th>
</tr>
</thead>
</table>
| Tracking Student Progress               | • Undocumented proposals  
• Limited access to hard copies  
• No digital trail               |
| Discoverability & Access                | • Discoverability & accessibility issues  
• Open Access (opt-in) & Embargoes  
• Copyright                        |
| Print → Electronic Publication          | • Library in the binding business (tedious)  
• Changing/rising costs each year with bindery  
• Bindery stopped offering Print & Bind option |
| Electronic Review & Approval Process    | • Incorrect submissions (paper type/format & ink)  
• Bindery lost signature pages  
• Circulating signature pages to distance faculty |
| Author Permission for Historic ETDs     | • Opt-in model = Author permission required  
• How to get a hold of alumni |
| (Alumni Outreach)                       |                                                                           |
Goals

- TRACKING
- DISCOVERABILITY
- PRINT $\rightarrow$ ELECTRONIC PUBLICATION
- ELECTRONIC REVIEW & APPROVAL
- ALUMNI & OPEN ACCESS
**February 3: NSUWorks GOES LIVE**

- **2010**: Creation of paper form to track CTD binding progress.
- **2013**: November: Redid binding form to make it easier for staff to track where we were in the binding process for each student and to add a disclaimer about not accepting incomplete submissions.
- **2014**: April: Update of paper form to track binding process.
  - September: Looked into View after coming back from US EDTa conference.
  - December: Edits to ETD Series in NSUWorks Demo Site.
  - Created student submission form.
  - Added directions for uploading metadata and digital ETD file.
  - Created Admin Checklist based off old print checklist.
  - Proposal and Defense Approval Series.
  - August: Live sites created for immediate implementation.
- **2015**: October: Migrated from Demo Site to Live Site.
  - Admin Checklist, Submission Forms, and Email for new submissions.
- **2016**: September: Added distribution permission information to capstones.
  - July: Inquiry to begin generating ideas for how to create this series.
  - July: Demo sites created for Proposal and Defense Approval series.
- **2017**: July: Removal of Biological Sciences Proposal and Defense Approval series. All Bio CTD proposals and defenses will go into the Harnos wide P&D series.
- **2019**: March: Creation of Proposal and Defense Approval series for Department of Biological Sciences.
Investigating ETD Management Systems

Looking for a solution that would work for:
• Submission
• Tracking
• Binding
• Payments
• ProQuest ETD Portals
• NSUWorks (IR)

ETD Submission and IR Tools Considered

<table>
<thead>
<tr>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vireo</td>
</tr>
<tr>
<td>DSpace</td>
</tr>
<tr>
<td>Archivematica</td>
</tr>
<tr>
<td>EPrints</td>
</tr>
<tr>
<td>OpenETD</td>
</tr>
<tr>
<td>ETD-db</td>
</tr>
</tbody>
</table>
ETD Submission Management System

- Open source options are great, but they can be very difficult to implement
  - Need dedicated IT staff able to work on implementation and maintenance
- Create your own system!
  - https://nsuworks.nova.edu/cnso_stucap/
  - https://nsuworks.nova.edu/occ_stuetd/

NSUWorks

HCNSO STUDENT THESIS AND DISSERTATIONS

Theses and dissertations from the graduate programs of Halmos College of Natural Sciences and Oceanography at Nova Southeastern University.

Submit Thesis/Dissertation  Submit Capstone
HCNSO STUDENT THESIS AND DISSERTATIONS

**Title**

Please enter the title using Headline Capitalization. It should be entered exactly as it appears in the manuscript of your dissertation or thesis.

**Dissertation/Thesis Title**

**Author**

**REQUIRED** Author

EMAIL ADDRESS IS REQUIRED. This is how we will correspond with you and how you will receive notification of downloads when your work is published to NSUWorks. It may be preferable to use a personal email address rather than your NSU email.

**Search For An Author Using: Last Name, First Name, Email, or Institution**

1. (hjaime@nova.edu) Jaime M Goldman

**Defense Date**

**REQUIRED** Defense Date

**Document Type**

**REQUIRED** Document Type

**Document Type:** Thesis
Title: Comparisons of Five DNA Repair Pathways between two Elasmobranch Fishes and Humans

Authors: Lucia Llorente

Last Event: Initial submission (Thu Feb 14 2019)

Waiting for Administrator: Yes

Locked by Administrator: No

Manuscript: #1510 PDF

Download: PDF (title page added) (02/14/2019), 2.7 MB   Lucia_Thesis_2019_Fin.docx (8.8 MB)

Submission Metadata

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<tr>
<td>Title</td>
<td>Comparisons of Five DNA Repair Pathways between two Elasmobranch Fishes and Humans</td>
</tr>
<tr>
<td>Author</td>
<td>Lucia Llorente</td>
</tr>
<tr>
<td>Defense Date</td>
<td>1-4-2019</td>
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<tr>
<td>Document Type</td>
<td>Thesis</td>
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</table>
Title: Comparisons of Five DNA Repair Pathways between two Elasmobranch Fishes and Humans

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Checklist

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<thead>
<tr>
<th>Completed?</th>
<th>Task</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PRE-BINDING: Add library as reviewer and verify accuracy of submission</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Suggest and request reviewers</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>All Committee Members have electronically accepted</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Student has no overdue library materials</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: File saved to Z drive and NSUWorks cover page removed</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Register decision sent</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>Locked by Administrator = YES</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Fine assessed in Sierra and Payment email sent</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Payment received</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: (Dissertation Only) approved via ProQuest Diss. Publishing Admin. Account Online for NSU OC Library</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>PRE-BINDING: Degree Conferral sent to Missy</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>BINDING: Document sent to bindery</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>POST-BINDING: Copies Received Back from Bindery</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>POST-BINDING: Program Office Copy to Missy</td>
<td>Add note:</td>
</tr>
<tr>
<td></td>
<td>POST-BINDING: Student Copies Distributed (if any)</td>
<td>Add note:</td>
</tr>
</tbody>
</table>

Save changes
**ETD Timeline**

- **2010**: Creation of paper form to track CTD binding progress
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- **2017**: July: Demo sites created for Proposal and Defense Approval series. All Bio ETD proposals and defenses will go into the Hainsos wide P&D series.
- **2019**
The new online tracking system we created in NSUWorks includes:

- Proposal
- Defense
- Final submission, review, and publication
Goals

✓ TRACKING

DISCOVERABILITY

PRINT ➔ ELECTRONIC PUBLICATION

ELECTRONIC REVIEW & APPROVAL

ALUMNI & OPEN ACCESS
ETD Timeline

Pre-2009
- CTD Bibliography kept as a Word doc

2009
- January - August: Cataloging of historic print theses and dissertations

2010
- July: Cataloging of historic print capstones

2011
- January: Technical Services continues cataloging process of all print capstones, theses and dissertations (CTDs)
- October: Scanning of Historic Print CTDs

2012
- January: Technical Services continues cataloging process of all print capstones, theses and dissertations (CTDs)
- May: Created Google Doc Spreadsheet to keep track of dissertation metadata
- June: Created Google Doc Spreadsheet to keep track of capstone and thesis metadata
- All new CTDs must have a CO attached

2013
- May: Created Google Doc Spreadsheet to keep track of dissertation metadata
- June: Created Google Doc Spreadsheet to keep track of capstone and thesis metadata

2014
- January: ProQuest successfully integrated the NSU author agreement into the NSU college ETD Portal
- February 3: NSUWorks GOES LIVE
- April: Scanning of historic MS Capstones 100% complete
- September: Uploaded thesis and dissertation metadata only to NSUWorks
- September: Initial email to Technical Services to add link to existing catalog record for printed theses and dissertations found in NSUWorks (request denied in October)
- December: Scanning of historic MS Theses 100% Complete
February 3: NSUWorks GOES LIVE

April: Scanning of historic MS Capstones 710% complete

September: Uploaded thesis and dissertation metadata only to NSUWorks

September: Initial email to Technical Services to add link to existing catalog record for printed theses and dissertations found in NSUWorks (request denied in October)

December: Scanning of historic MS Theses 100% Complete

February: Scanning of History Ph.D. Dissertations 100% complete

August: Meeting with Program Office

All historic theses and dissertations added in full text to NSUWorks with IP authentication limitations for only NSU faculty, students, and staff

All CTD submissions go through NSUWorks. No CD’s required

requiring keywords under Abstract for all CTDs now. Capstones used to be not required

October: Last printed thesis was cataloged

November: Request to put Capstone metadata in NSUWorks

November: Meeting with Technical Services to discuss catalog records and workflow for ETDs since there are no longer print copies to catalog.

December: Capstone metadata approved

January: All capstone metadata added to NSUWorks

July: Technical Services changes catalog record to make theses and dissertations more discoverable using keyword searching.

October: Approval to publish all new capstones in full-text and publish historic capstones on a case by case basis.

February: Technical Services uploaded MARC records for all new ETDs from NSUWorks into Sierra.

October: Approval to publish all new capstones in full-text and publish historic capstones on a case by case basis.

July: Technical Services agrees to resume cataloging e-only ETDs. Possibility of canceling EDS plus students still searching catalog only leads to no discoverability of our ETDs.
HCNSO STUDENT THESIS AND DISSERTATIONS

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Population Connectivity in the Ocean: A Genetic View of Upper Trophic Level Fishes Displaying Contrasting Life Histories

Andrea M. Bernard, Nova Southeastern University

Defense Date
1-2014

Document Type
Dissertation - NSU Access Only

Degree Name
Ph.D. Oceanography/Marine Biology

Department
Oceanographic Center

First Advisor
Mahmood Shivji

Second Advisor
Kevin A. Feldheim

Third Advisor
Jose V. Lopez

Fourth Advisor

To access this thesis/dissertation you must have a valid nova.edu OR mynsu.nova.edu email address and create an account for NSUWorks.

Free My Thesis

If you are the author of this work and would like to grant permission to make it openly accessible to all, please click the Free My Thesis button.

Link to NovaCat

PLUMX METRICS

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Download
Turbulent and Electromagnetic Signature of Small- and Fine-scale Biological and Oceanographic Processes

Cayla Whitney Dean

Defense Date
12-5-2018

Document Type
Dissertation

Degree Name
Ph.D. Oceanography/Marine Biology

First Advisor
Alexander Soloviev, Ph.D.

Second Advisor
Tracey Sutton, Ph.D.

Third Advisor
John Holmes, Ph.D.

Fourth Advisor
Tamay Ozgokmen, Ph.D.

Abstract
Small- and fine-scale biological and oceanographic processes may have a measurable
Reef Fish Assemblage Biogeography Along the Florida Reef Tract

Cory Ames, Nova Southeastern University

Defense Date
11-29-2017

Document Type
Thesis

Degree Name
M.S. Marine Biology

First Advisor
Brian Walker

Second Advisor
David Kerstetter

Third Advisor
Steven Smith

Abstract
Understanding the biogeography of reef fish assemblages is paramount to reef conservation, management, and conducting appropriate population survey designs. Reef fish assemblages are a multispecies complex of reef-associated fish and are shaped by multiple environmental and biological factors (e.g. temperature, depth, benthic habitat, and topographic relief), which determine the species constituents residing in an area. Assemblages typically change with latitude where the number of families, genera, and/or
Are Scyphozoan Blooms Increasing? Causes and Consequences

Caitlin Hanigan, Nova Southeastern University

Defense Date
12-2014

Document Type
Capstone

Degree Name
M.S. Coastal Zone Management

First Advisor
Charles Messing

Second Advisor
Tamara Frank

Abstract
Scyphozoan medusae exhibit important population fluctuations over a variety of time scales. Populations of many species bloom, that is, exhibit a rapid localized population increase, as a natural part of their life cycles; however, blooming events are being reported more frequently. Anthropogenic impacts that are altering the physical and chemical processes of the ocean, such as overfishing and pollution, are creating environments that favor medusae and may cause increases in their abundance. These trends have been most observed in the Adriatic Sea, Bering Sea, Mediterranean, North Sea, Gulf of Mexico and Sea of Japan. The reports examined in this paper show that scyphozoan species are able to take advantage of conditions created by anthropogenic influences. However, more information about global and long-term trends is needed to clarify whether scyphozoan blooms are truly increasing or not. Limited top-down control of medusae populations has led many to assume that medusae are trophic dead ends. However, medusae have been recognized as important contributors to pelagic food webs, providing inorganic nutrients to primary producers via excretion and serving as prey for turtles, mammals, birds and some fish. It is important to understand scyphozoan life cycles and how they are affected by anthropogenic impacts that may play a role in
Factors Contributing to the Success of Restored Oyster Reefs in the Choptank River of the Chesapeake Bay, Virginia

Abstract:
Preparations of Crassostrea virginica, the Eastern oyster, have been declining since the late 1500s. With diseases increasing in the previous century, the Eastern oyster is also facing the threat of disease and habitat loss. As oyster populations decline, habitat suitable for oyster spats declines as well. These factors contribute to the success of oyster reefs that have been restored. Knowledge of the factors that influence the success of oyster reefs has been limited.
ETD Problems

- Requests for ETDs and Capstones
- Standard email response
- Copyright/ownership
- Alumni outreach and contact info

Dear [Name],

Thank you for your request for a NSU HCNSO capstone file requested below. At our library we are upon a comprehensive and in-depth methodology to thesis of a chosen topic. As such, we have reached out to the author on your behalf asking for permission to share the work. We will keep you updated once we hear back from the author.

Thank you,

Jaime

Jaime M. Goldman
Librarian III
Nova Southeastern University
Example of print thesis catalog record linking to NSUWorks ETD
E-only thesis catalog record linking to a NSUWorks ETD
Goals

✓ TRACKING
✓ DISCOVERABILITY
PRINT \rightarrow ELECTRONIC PUBLICATION
ELECTRONIC REVIEW & APPROVAL
ALUMNI & OPEN ACCESS
ETD Timeline

Pre-2009

Binding Services: Students purchase cotton bond paper and print their desired copies here in the library. Paper is sent to bindery to be bound.

February 3: NSUWorks GOES LIVE

2014

September: Bindery Services:
Sent inquiry to Bindery about Print & Bind Services. They only allow credit cards to do thesis on demand printing. Library needed to pay through our account.

October: Bindery offers Print & Bind option.

2015

March: Worked with Circulation to create payment structure in Sierra for binding payments.

August: Meeting with Program Office
Capstones bound the same as Theses and Dissertations - no more spiral binding
Library will no longer require a print copy. Program Office still requires 1 copy.

September: Fee structure activated in Sierra to enable students to pay online
Bindery agrees to do print and bind outside of their automated system for $24BW / $34 color.

2017

December: Bindery issues new prices for print & bind services - $27BW / $37/color

2018

May: Bindery discontinues print & bind service
Bindery agrees to print & bind for us despite the discontinued service to finish out the semester.

2019

February: Program Office stops requiring print copies of CTDs.

March: Despite no required print copies, Library is still accommodating Faculty requests for print copies and/or wet ink signatures.

March: Reached out to alternative bindery as a potential new, cheap bindery service for students.

October: Library back in the printing business! You Print $25 vs We Print $30 includes $12 Binding Only fee from bindery

They did not have cotton bond paper as an option but mentioned they were going to get it.

May: Alternative Bindery informed us they have cotton bond paper as a printing option now.

June: Test run of Alternative Bindery for thesis binding

July: Library continues to print personal copies and send to Bindery until all pre-purchased cotton bond paper has been used.

Instructions for submitting finished work and final steps for graduation.

- Your final and approved Portfolio, Capstone, Thesis, or Dissertation must be submitted to the NSU Oceanographic Campus Library staff for via NSUWorks before the program office will confer your degree.
- Capstones, Theses, and Dissertations are submitted electronically via the NSUWorks online ETD submission system: https://nsuworks.nova.edu/occ_student/.
- Portfolios are submitted in print to the Oceanographic Campus Library for binding.
- Your 50 day time clock for submission begins on the last day of the term that you are registered in. Please note this is not business days, but includes holidays and weekends.

NSUWorks online ETD submission system for capstones, theses, and dissertations:
New Binding Options

- Student binds on their own
- All digital, no more printing and sending
- All paid for via credit card by student
Goals

 ✓ TRACKING
 ✓ DISCOVERABILITY
 ✓ PRINT → ELECTRONIC PUBLICATION
 ELECTRONIC REVIEW & APPROVAL
 ALUMNI & OPEN ACCESS
ETD Timeline

Pre-2009
- Signature Pages were printed on cotton bond paper and distributed to committee members to sign in blue ink

2014
- **February 3:** NSUWorks GOES LIVE
- **September:** Bindery Services:
  - October: Bindery offers Print & Bind option.

- Signature Pages still sent to Bindery via FedEx to be included in emailed digital file for Print & Bind

2017
- Digital Signatures
- Investigated using the Journal Review system in NSUWorks for creating Digital Signatures
- April: Sent informational email to Program Office to consider switching to Digital Signatures
- October: First digital signature procedures implemented
ETD Problems
Signature Pages

- Signature Pages
  - Signature Problems
    - Wet ink
    - Blue ink
    - Faculty at a distance or on leave
  - Paper Problems
    - Misplaced signature pages
- Costs & Time
  - Faculty quote: "As you will appreciate, it takes time and money to have to FedEx these to the off-site committee members. Also, I'm sure there will be occasions when even internal faculty members may be on travel and cannot sign in time for the submission deadlines. If we can sign all sorts of other official university and even government tax forms digital, it seems doing this for theses/capstones is warranted."
ETD Timeline

Pre-2009

Signature Pages were printed on cotton bond paper and distributed to committee members to sign in blue ink

2014

February 3: NSUWorks GOES LIVE

September: Bindery Services:

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Signature Pages still sent to Bindery via FedEx to be included in emailed digital file for Print & Bind

2017

Digital Signatures

Investigated using the Journal Review system in NSUWorks for creating Digital Signatures

April: Sent informational email to Program Office to consider switching to Digital Signatures

October: First digital signature procedures implemented
Using the Journal Review Process for ETDs
Using the Journal Review Process for ETDs
Using the Journal Review Process for ETDs

Thesis of
Thomas J. Morrell

Submitted in Partial Fulfillment of the Requirements for the Degree of

Master of Science
M.S. Marine Environmental Sciences

Nova Southeastern University
Halmos College of Natural Sciences and Oceanography

May 2019

Approved:
Thesis Committee

Major Professor: David Kerstetter, Ph.D.
Committee Member: Wayne Law, Ph.D.
Committee Member: Bernhard Riegler, Ph.D.
Faculty Reception of New Service

Faculty Disapproval

System is wonky and isn’t able to be altered according to our existing workflow
Technology issues - lack of skill
Digital signature page not as pretty as traditional page

Faculty Approval

Once they learned how to do it, they like the ease of it
Remote access to content and can sign from anywhere
Digital Signature Pages look identical to original signature page with the only difference being the actual signature is now gone.
Goals

✓ TRACKING
✓ DISCOVERABILITY
✓ PRINT ➔ ELECTRONIC PUBLICATION
✓ ELECTRONIC REVIEW & APPROVAL
ALUMNI & OPEN ACCESS
Alumni & Open Access

February 3: NSUWorks GOES LIVE
HCNSO STUDENT THESSES AND DISSERTATIONS

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Link to NovaCat

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Reef Fish Assemblage Biogeography Along the Florida Reef Tract

Cory Ames, Nova Southeastern University

Defense Date
11-29-2017

Document Type
Thesis

Degree Name
M.S. Marine Biology

First Advisor
Brian Walker

Second Advisor
David Kerstetter

Third Advisor
Steven Smith

Abstract
Understanding the biogeography of reef fish assemblages is paramount to reef conservation, management, and conducting appropriate population survey designs. Reef fish assemblages are a multispecies complex of reef-associated fish and are shaped by multiple environmental and biological factors (e.g. temperature, depth, benthic habitat, and topographic relief), which determine the species constituents residing in an area. Assemblages typically change with latitude where the number of families, genera, and/or
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  - Restricted Access: 319
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Alumni ETD Open Access Success Story - 2018

Throwback Thursday! Halmos College of Natural Sciences and Oceanography at NSU alumni Peter M. Smith stopped by the OC Library this week and was so happy to discover his Dissertation from 1979 on the library shelves! Peter reminisced about the OC campus with us, and talked about how he used to clean the now departed house boat for a little extra money. Peter went on to work for NORDA and the NRL (Naval Research Lab) after graduating from NSUI. https://nsuworks.nova.edu/occ_stuetd/72/

#throwbackthursday #nsualumni #alumnitaes

Atmospheric Forcing of the Bight of Abaco
By Peter M. Smith, Published on 08/01/79

https://nsuworks.nova.edu/occ_stuetd/72/
Future Goals

- Continued faculty support & buy-in
- Track publications based on ETDs, especially by the original author (student/alumni)
- Still working on getting out of the binding business
- Continue alumni outreach to increase open access of ETDs in IR

Analyze the impact of having their work in NSUWorks
Questions, Contact Info, & Links

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NSUWorks ETD Timeline  
Link to NSUWorks publication