Morgan State University has an institutional subscription to [Nature Masterclasses](#), meaning that as a member of Morgan State, you have free access to all the online courses available on the Nature Masterclasses platform.

Nature Masterclasses is a professional development training platform for researchers to build their skills, confidence, and careers. Courses are specifically designed to be used on demand and at your rhythm. They are bite-sized into modules (most lessons are 20 minutes or shorter), rich in instructional videos, visual materials, and supporting text so you can choose your learning path- whether that is working through a course in order or dipping in and out of modules.
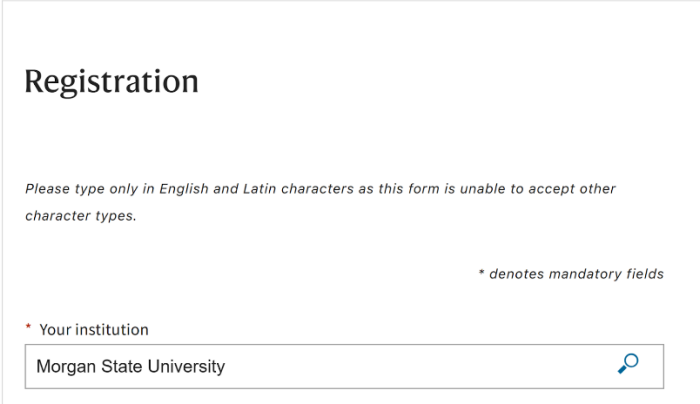
An Introduction to Nature Masterclasses

This [video](#) offers a concise overview of Nature Masterclasses.

Register your Account:

The Nature Masterclasses courses cover various topics, and you can get details about them and access the content by following the instructions below.

1. Go to **https://masterclasses.nature.com/register**.

2. In the **Institution** list, select **Morgan State University**

Registration

Please type only in English and Latin characters as this form is unable to accept other character types.

denotes mandatory fields

* Your institution

| Morgan State University   🔎 |

3. Enter your **Morgan State University email address**. (Note: You must register with your **Morgan State** email, so Nature Masterclasses recognizes your university subscription access.

4. Choose a secure password, complete the remainder of the fields, and click **Register**.

5. A confirmation email will go to your Morgan State email address. Once your account is confirmed, you **can begin taking classes**.

Step-by-step instructions are provided in the User Guide. To learn more about Morgan State's Nature Masterclasses subscription, please see this helpful Information Session.

Nature Masterclasses Course Offerings:

NEW! [**Publishing a Research Paper: 2ⁿᵈ Edition**] For researchers in the natural sciences seeking to improve their chances of successfully publishing research papers. What you'll learn:

- How to familiarize yourself with journal editorial guidance and policies
- How to format your paper for submission and write an engaging cover letter
- Understand the editorial and peer review process and different editorial decisions
- Understand your options if your manuscript is rejected
- What happens after your paper is accepted before it can be published

[**Writing a Research Paper: 2nd Edition**] course is for researchers in the natural sciences looking to write effective research papers. It will introduce you to:

- Strategies to apply narrative tools when writing research papers
- Detailed examples for explaining concepts, taken from real papers where possible
- Step-by-step strategies and how to apply them to your research paper

[**Writing and Publishing a Review Paper: 2nd Edition**] course is for researchers in the natural sciences looking to build or refine their review writing skills. What you'll learn:

- Build the foundations of a strong review paper
- Select, evaluate, and synthesize primary literature efficiently
- Apply scientific writing principles to construct an engaging and informative review paper
- Identify and create effective display items
- Navigate the submission process

Building a Strong Online Researcher Profile course is for researchers in the natural sciences who would like to boost their online visibility and advance their careers. What you'll learn:

- Understand the importance of having a strong online researcher profile
- Be familiar with the requirements of professionals who may look at your profile
- Strategically choose the right platforms for your researcher profile
- Generate great bios with the right keywords for your expertise
- Boost the visibility of your work and experience

Creating Successful Research Posters course is for researchers in the natural sciences who would like to learn how to create and present an effective research poster. It will enable you to:

- Set communication goals for your poster presentations
- Identify your audience and select your key message and supporting material
- Select the visual elements and supporting text for your poster
- Design a poster that will communicate your key message effectively

Research Integrity: Publication Ethics course is for researchers in the natural sciences who want to improve their understanding of how to publish research ethically and with integrity. You will learn:

- How to select reputable journals and locate editorial policies and ethical guidance
- Maintain data integrity and availability and ensure image integrity
- Make relevant declarations about research and publication, including conflicts of interests
- Navigate revisions and address post-publication issues appropriately
- Avoid common disputes around authorship and permissions

Effective Science Communication course is for researchers who are looking to apply strategies to help in communicating their research in an accessible and persuasive manner to a non-scientific audience. It will enable you to:

- Compare different audience requirements to help tailor your communications
- Select a relevant communication channel for your specific needs
- Communicate compelling research stories
- Communicate to a non-scientific audience in an accessible and persuasive way
- Tips and techniques for writing, public talks and presentations, social media and media interviews

Focus on Peer Review course was developed for researchers in the natural sciences who are new to peer review or wish to refresh their skills. What you will learn:

- The importance and responsibilities of peer reviewers
- How to prepare a peer review report
- Ethics and innovations in peer review

Experiments: From Idea to Design is for researchers in the natural sciences who want to develop their experimental design skills. It will enable you to:

- Understand the benefits of honing your experimental design skills before embarking on full-scale experiments
- Develop research motivations, identify assumptions, and formulate a hypothesis
- Select the precise methods, tools, techniques, and protocols you need to answer your research question
- Refine and make use of your experimental design

Persuasive Grant Writing is for researchers in the natural sciences who want to use narrative tools to improve the quality of their grant applications to make them more informative and persuasive. It will enable you to:

- Understand how narrative tools can improve the quality of your grant applications
- Align your grant proposal with the requirements and objectives of your chosen funder
- Apply narrative tools when writing their grant proposal to make it more informative, persuasive, and engaging

Finding Funding Opportunities is for researchers in the natural sciences who want to find funding opportunities, or mentor others through the process. It will enable you to:

- Understand the benefits of searching for and prioritizing the best-fitting funding opportunities
- Analyze your funding requirements while considering your personal and professional circumstances
- Develop strategies to find and keep track of suitable funding opportunities
- Short list of different funding opportunities
- Prioritize and select those opportunities that best fit your needs

Managing Research Data to Unlock its Full Potential course was developed for researchers in the natural sciences who want to develop their data management skills or mentor others through the process. It will enable you to:

- Understand the benefits of managing research data effectively
- Create and maintain a data management plan
- Apply best practices to organize, store, archive, and check the quality of your data
- Evaluate the different options for sharing research data

Data Analysis: Planning and Preparing is for researchers in the natural sciences who want to develop their data analysis skills or mentor others through the process. You will learn:

- The importance of planning and preparing for data analysis
- The key terms and processes relating to data analysis
- The principles of creating and updating a data analysis plan

Data Analysis: Conducting and Troubleshooting is for researchers in the natural sciences who want to develop their data analysis skills or mentor others through the process. It will enable you to:

- Understand the importance of conducting effective data analysis
- Identify the best tools for exploring various datasets
- Identify the range of analytic methods available and understand which is most suited to your data
- Learn strategies for obtaining feedback, troubleshooting, and expressing the limitations of your analysis

Interpreting Scientific Results is for researchers in the natural sciences who want to interpret their scientific findings with more confidence, or mentor others through the process. You will learn to:

- Recognize and avoid the most common pitfalls when interpreting results
- Understand the steps you can take if your results are unexpected
- Address your research aims, contextualize your findings
- Communicate your findings with a focus on your key message

Narrative Tools for Researchers course was developed for researchers in the natural sciences who want to enhance their communication with their peers by using narrative tools to tell their research story. It will enable you to:

- Understand the benefits of using narrative tools to communicate your research more effectively to scientific peers and stakeholders
- Create and combine narrative elements to build a compelling scientific story
- Refine your research story depending on the audience and format for your communication

Advancing Your Scientific Presentations is for researchers in the natural sciences who want to improve the quality of their peer-to-peer scientific presentations with both virtual and face-to-face audiences. It will enable you to:

- Identify techniques that can help to overcome the challenges that researchers commonly experience when delivering oral presentations
- Build compelling research stories to use as the foundation for your presentations
- Create professional slide decks that effectively communicate research findings to your audience
- Apply strategies to help you deliver your presentation effectively on the day, in both virtual and face-to-face environments

Getting an Academic Research Position is for researchers in the natural sciences looking to take their next career step, either as a new postdoc or in a new faculty role. It will enable you to:

- Understand how to find potential career opportunities that align with your attributes, desires, and goals
- Apply for positions in a way that will highlight your strongest attributes and most relevant qualities
- Present yourself authentically and effectively during all stages of the interview process
- Assess whether a job you are offered is suitable and choose between competing job offers

Networking for Researchers is for scientific researchers wanting to gain confidence by improving their networking skills or mentor others through the networking process. It will enable you to:

- Understand the theory behind and the importance of networking
- Research and prepare key resources to help you build an effective network
- Approach and connect with potential contacts
- Nurture your networking contacts and leverage them to advance your research and career

Introduction to Collaboration course was developed for researchers in the natural sciences who wish to participate in collaborative projects. It will enable you to:

- Understand why collaborative research is becoming more prevalent
- Discover the pros and cons of collaborating
- Learn how collaborative projects can help advance your research and career
- Explore the specifics of collaborating with the industry

Participating in a Collaboration course was designed for researchers in the natural sciences who wish to participate in collaborative projects. It will enable you to:

- Adopt key collaborative skills such as dividing tasks, managing your time, and communicating efficiently
- Plan to maximize the skills, ideas, and contacts you'll gain from collaborating
- Overcome possible roadblocks when participating in collaborative projects

Leading a Collaboration course is for researchers in the natural sciences who wish to lead collaborative projects. It will enable you to:

- Identify and approach potential collaborators with the right skills and expertise
- Set up collaboration agreements, codes of conduct, and project management plans
- Keep collaborators motivated, monitor progress, and address delays
- Manage challenges including conflict between collaborators, stress, ethical misconduct, administering shared funds and resources, and going over budget
- Maximize the outputs, value, and impact of your collaboration