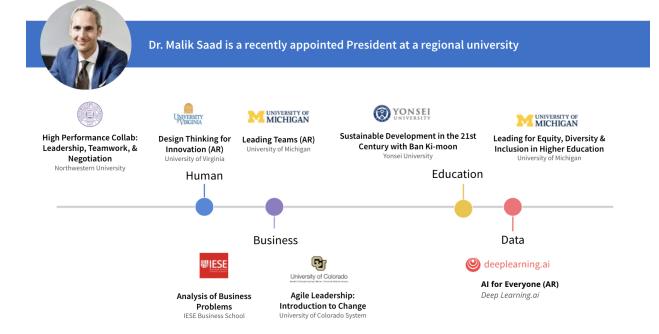
There are two programmes available to choose from:

- 1. **University Leaders Programm**e Upskilling for leaders at AARU member universities in business, data, education, and human skills.
- 2. **Aspiring Leaders Programme** Upskilling for aspiring leaders at AARU member universities in business, data, education, research, and human skills.

You are able to take courses from either programme or enrol on one course from the Leaders programme and one from the Aspiring Leaders Programme.

**The University Leaders Programme** consists of the following courses (available in English and/or Arabic). Please select up to 2 courses from the Programme:

- 1. High Performance Collaboration: Leadership, Teamwork, & Negotiation, Northwestern University
- 2. صياغة الأفكار المحفِّزة على الابتكار (Design Thinking for Innovation), University of Virginia
- 3. قيادة الفرق (Leading Teams), University of Michigan
- 4. إلهام الأفراد وتحفيزهم (Inspiring and Motivating People), University of Michigan
- 5. Sustainable Development in the 21st Century with Ban Ki-moon, Yonsei University
- 6. Leading for Equity, Diversity & Inclusion in Higher Education, University of Michigan
- 7. Analysis of Business Problems, IESE Business School
- 8. Agile Leadership: Introduction to Change, University of Colorado System
- 9. الذكاء الاصطناعي للجميع (Al for Everyone), Deeplearning.ai



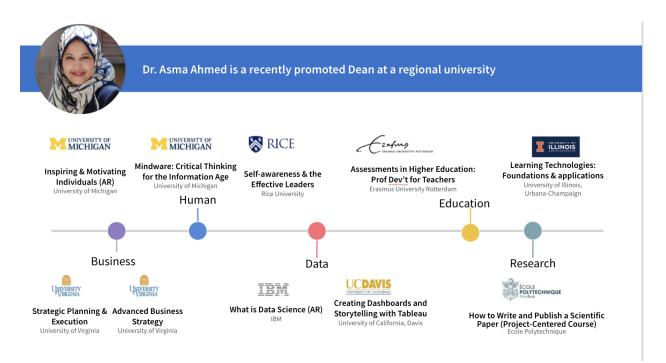
## There are also 1-2 hour Guided Projects available:

- 1. Creating Informative Presentations with Google Slides
- 2. Introduction to Project Management with ClickUp

Guided Projects are short hands-on learning courses that take between 1 and 2 hours to complete. You'll get to use some software and tools to complete a project with the help of an instructor guiding you through step by step what to do.

The **Aspiring Leaders Programme** consists of the following courses (available in English and/or Arabic). Please select up to 2 courses from the Programme:

- 1. Mindware: Critical Thinking for the Information Age, University of Michigan
- 2. Self-awareness & the Effective Leaders, Rice University
- 3. Assessments in Higher Education: Prof Dev't for Teachers, Erasmus University Rotterdam
- 4. Learning Technologies: Foundations & applications, University of Illinois, Urbana-Champaign
- 5. Strategic Planning & Execution, University of Virginia
- 6. إستراتيجية الأعمال المتقدمة (Advanced Business Strategy), University of Virginia
- 7. إليانات؟ (What is Data Science), IBM
- 8. Creating Dashboards and Storytelling with Tableau, University of California, Davis
- 9. How to Write and Publish a Scientific Paper (Project-Centered Course), Ecole Polytechnique



#### There are also 1-2 hour Guided Projects available:

- 1. Spreadsheets for Beginners using Google Sheets
- 2. Engaging and Assessing Students with Plickers

Guided Projects are short hands-on learning courses that take between 1 and 2 hours to complete. You'll get to use some software and tools to complete a project with the help of an instructor guiding you through step by step what to do.

Here is a brief breakdown of what is covered within each course according to the Leaders programme:

#### **LEADERS PROGRAMME**

Course name: High Performance Collaboration: Leadership, Teamwork, & Negotiation

**Content Partner Name:** Northwestern University

Language: English (Arabic subtitles)

Course Rating: 4.8 / 5

**Approximate Number of Hours:** 14 hours

**Overview:** 

Are leaders born or made? Learn the essential skills to develop and expand your leadership repertoire, design teams for collaboration, and craft win-win negotiation strategies. High Performance Collaboration: Leadership, Teamwork, and Negotiation focuses on leadership, teamwork, and negotiation. Students will engage in self-assessments to analyze their leadership style, develop team charters to optimize their groups, and develop a game plan for effective negotiation.

(Design Thinking for Innovation) صياغة الأفكار المحفِّزة على الابتكار

Content Partner Name: University of Virginia

**Language:** Arabic/ English **Course Rating:** 4.8 / 5

**Approximate Number of Hours:** 6 hours

Overview:

الابتكار أمر يهم الجميع في هذا العصر

فسواء كنت مديرًا في شركة عالمية، أو رائد أعمال ينشئ مشروعًا، أو تتبوأ منصبًا في الحكومة، أو تعمل معلمًا في مدرسة ابتدائية، فمن المتوقع أن يتمتع الجميع بالمرونة – لتحقيق أفضل النتائج بأقل مجهود.

ولهذا فنحن جميعًا بحاجة إلى صياغة الأفكار.

على كافة مستويات المؤسسات بجميع أنواعها، نجد أن صياغة الأفكار توفر الأدوات التي تحتاجها لتصبح مفكرًا مُبدعًا علاوة على أنها تتيح اكتشاف فرص إبداعية موجودة — غير أنك لم ترها بعد. في هذه الدورة، نقدم لكم نظرة عامة حول صياغة الأفكار ونتعامل مع نموذج يحتوي على أربعة أسئلة رئيسية وأدوات عديدة لمساعدتك على فهم أساليب صياغة الأفكار باعتبارها منهجًا لحل المشاكل. كما نستعرض العديد من القصص من مختلف المؤسسات التي استخدمت مفهوم صياغة الأفكار لإيجاد حلول مقنعة.

(Leading Teams) قيادة الفرق

**Content Partner Name:** University of Michigan

**Language:** Arabic/ English **Course Rating:** 4.8 / 5

# **Approximate Number of Hours:** 9 hours **Overview:**

في هذه الدورة التدريبيّة، ستتعلم كيفية بناء فريقك، وتحسين مهارات العمل الجماعي والتعاون، والحفاظ على أداء الفريق من خلال التعلّم والتحسين المستمرّين.

وعلى وجه الخصوص، ستتعلم أفضل الممارسات لتكوين فريق ومواءمة أهداف الفرد مع أهداف الفريق. وستتعلم أيضًا كيفية تحديد الأدوار، وبناء الهياكل، وإدارة عمليّة صُنع القرار، بحيث يتفوّق فريقك. وستساعدك أيضًا هذه الدورة التدريبيّة على إدارة العمليات المُهمة للفريق، مثل: تسوية النزاعات، وبناء الثقة التي تؤثّر تأثيرًا كبيرًا في أداء فريقك.

ستناقش بعضًا من أفضل الطرق لتوظيف الإمكانات الإنتاجية للفرق في الوقت الذي تخفف فيه من مخاطر العمل الجماعي وفخاخه. وفي المنظمات الحديثة، تتم أغلب الأعمال في فرق، ولكن تتفاوت نتائج العمل الجماعي تفاوتًا استثنائيًّا.

تفتقر العديد من الفرق إلى الإعداد والبناء السليم، حيث تعاني من نزاعات يصعُب تسويتها، وتمر بتجارب فشل في التنسيق، وتواجه تحديات خطيرة متعلّقة بالتحفيز.

ومن ثم، تخفق العديد من الفرق في إدراك إمكاناتها، وغالبًا ما يضعف أداؤها، حتى أداء الأفراد الذين يعملون على مهام مماثلة. وبعد الانتهاء من هذه الدورة التدريبيّة، ستكتسب مجموعة من الأدوات والممارسات التي تُمكّنك من إعداد فريقك، وإدارته، وتقييمه بفاعليّة، وتحسينه باستمرار.

وستجعلك هاتان الرؤيتان قائد فريق أكثر فاعليّة، بل مُساهمًا متميّزًا في هيكل الفريق.

(Inspiring and Motivating People) إلهام الأفراد وتحفيزهم

Content Partner Name: University of Michigan

**Language:** Arabic / English **Course Rating:** 4.8 / 5

**Approximate Number of Hours:** 15 hours

**Overview:** 

ستتعلم في هذه الدورة كيفية خلق رؤية مشتركة لفريقك وإيصالها بفعالية لزملائك بالفريق. ستتعلم أيضًا كيفية إرساء أهداف وتوقعات فعّالة بطريقة تعمل على تمكين فريقك على النحو الأفضل من تحقيق الرؤية المشتركة وأخيرًا، ستفهم احتياجات ودوافع الأداء الأكثر أهمية عبر الثقافات، وستتعلم كيفية المواءمة بين المكافآت والسلوكيات المنشودة بحيث يتم تحفيز زملائك على بلوغ أهداف الفريق.

يُمثل التحفيز تحديًا مهمًا للغاية أمام المؤسسات المعاصرة: كشف استطلاع رأي حديث من Gallup عن أن 13% من العاملين حول العالم يظهرون مستويات عالية من الارتباط والتحفيز. سنوضح لك كيف أن مشكلات التحفيز ليست ببساطة بسبب عضو فريق "سيئ" أو "غير مُحفَّز". إن التحفيز، على العكس من ذلك، يكون مدفوً عا في المقام الأول بظروف العمل التي نوفرها لزملائنا بالفريق، وبكيفية هيكلتنا للأهداف والغايات، وبالطريقة التي نكافئ بها الأشخاص على إنجاز هذه الأهداف. ستساعدك هذه الدورة على تشخيص مشكلات التحفيز وحلها حتى يتسنى لك إخراج أفضل ما لدى الأشخاص بفريقك.

Course name: Sustainable Development in the 21st Century with Ban Ki-moon

**Content Partner Name:** Yonsei University

Language: English
Course Rating: 4.8 / 5

**Approximate Number of Hours:** 16 hours

**Overview:** 

The course is designed for people that want to learn about the latest development agenda the international community agreed to achieve by 2030. Structured around the five pillars of Agenda 2030 – people, prosperity, planet, peace and justice, and partnership, students will learn that these pillars are interconnected and need to be integrated in practical policy-making and operational activities for development, in both developed and developing country settings. Following an introductory module on the main concepts of Agenda 2030 and the SDGs, successive modules will provide the foundation behind the SDGs for people, prosperity and planet, peace and partnership. A final module will explore the way forward and provide channels that the young generation can participate to integrate the SDGs in the policy-making of the students' resident countries.

To get a better idea of our course, we welcome you to take a look at our promotional video: https://www.youtube.com/watch?v=KATSb73TeB4

Course name: Leading for Equity, Diversity & Inclusion in Higher Education

**Content Partner Name:** University of Michigan

**Language:** English **Course Rating:** 4.7 / 5

**Approximate Number of Hours:** 17 hours

Overview:

This course is open to professionals interested in learning more about leadership in higher education for a changing demographic or interested in developing their own leadership skills. The very idea that individuals can be taught to lead is not without its skeptics. Reasonable people, even some scholars in the field, point to the important traits, skills, and attributes that are observed in many visible leaders and contend that certain qualities necessary for effective leadership are not easily transmitted. To accept this premise and conclude that some people are born as natural leaders and others cannot be expected to lead at all is to make a mistake at the other end of the logical spectrum. We believe that leadership can be taught as long as it is concurrently nurtured, that most people possess a constellation of strengths around which they can construct their own leadership philosophy and approach, and that leadership development programming—if done well—can be transformative for organizers and participants.

### Course Level Objectives:

Understand the historical narrative of institutions as well as institutional structures that have created instances of inclusion and exclusion in colleges and universities.

Describe how transformational leadership is enacted for diversity, equity, and inclusion in a complex and contested environment.

Compare legislative, governance, and public accountability and expectations in relation to contemporary issues in higher education.

Analyze the strategic diversity planning process and documents of a selected institution. Recommend innovations and opportunities for transformational change at various levels of the ecological model using the strategic diversity planning process as a tool.

**Course name:** Analysis of Business Problems **Content Partner Name:** IESE Business School

Language: English (Arabic subtitles)

Course Rating: 4.7 / 5

**Approximate Number of Hours:** 9 hours

**Overview:** 

When does an opportunity to increase the bottom line become a liability for long-term brand sustainability and profitability? That is the question that GAS GAS, an off-road motorcycle manufacturer, is confronting.

In this culminating course, it's time to use the business tools you have learned throughout the specialization to solve this real business problem. To help you as you develop a solution to the GAS GAS dilemma, in the Capstone you will also learn a six-step analysis of business problems methodology. By the end of the course, you will understand how to weave together considerations from accounting, finance, marketing and organizational behavior in order to arrive at a sound decision that will positively impact the firm's future.

**Course name:** Agile Leadership: Introduction to Change **Content Partner Name:** University of Colorado System

**Language:** English **Course Rating:** 4.7 / 5

**Approximate Number of Hours:** 9 hours

**Overview:** 

This is a foundational course in the Agile Leadership Specialization. By the end of this course, you will build an understanding of key agile leadership concepts. You will begin building a toolbox that will give you an ability to evaluate and create a baseline for yourself as an agile leader. You will access your team's readiness for change. You will also analyze to what degree an organization is agile, and evaluate its ability to respond to change triggers.

(Al for Everyone) الذكاء الاصطناعي للجميع

Content Partner Name: Deeplearning.ai

**Language:** Arabic / English **Course Rating:** 4.8 / 5

**Approximate Number of Hours:** 6 hours

**Overview:** 

إن الذكاء الاصطناعي لا يقتصر على المهندسين فقط. إذا أردت أن تصبح مؤسستك أفضل في مجال استخدام الذكاء الاصطناعي، فإن هذه هي الدورة التدريبية المناسبة التي يمكنك دعوة الجميع، وبخاصة زملاؤك غير العاملين بالتكنولوجيا، للانضمام إليها. \n\nستتعلم في هذه الدورة:\n\n- المعنى الكامن وراء مصطلح الذكاء الاصطناعي، بما في ذلك الشبكات العصبية والتعلم الآلي والتعلم العميق وعلم البيانات\n- ما يمكن أن يفعله الذكاء الاصطناعي من الناحية الواقعية وما لا يمكنه فعله\n- كيفية اكتشاف فرص تطبيق الذكاء الاصطناعي على المشكلات داخل مؤسستك\n- شعور إنشاء مشاريع التعلم الآلي وعلم البيانات\n- كيفية العمل مع فريق الذكاء الاصطناعي وبناء إستر اتيجية الذكاء الاصطناعي وبناء إستر اتيجية الذكاء الاصطناعي داخل شركتك\n\n\aلهندسين الانضمام إليها لتعلم جوانب العمل المتعلقة بالذكاء الاصطناعي.

**Guided Project name:** Creating Informative Presentations with Google Slides

Language: English

**Guided Project Rating:** 4.7 / 5

**Approximate Number of Hours:** 2 hours

Overview:

By the end of this project, you will create a Google Slide that contains an introduction, visuals, linked charts, and a conclusion. You will learn how to create a presentation that is informative and captures an audience's attention. You will also learn how to link charts from Google Sheets into your presentation that will synchronize as data changes.

Guided Project name: Introduction to Project Management with ClickUp

Language: English

**Guided Project Rating:** 4.7 / 5

**Approximate Number of Hours:** 2 hours

Overview:

In this project, we will learn how to create and organize a ClickUp workspace to best meet your project management and business needs. We will also learn how to use the tool to better collaborate and communicate with your team. Whether you're assigning tasks, pushing out important information, scheduling meetings, or working through a to do list, ClickUp can help you keep track of it all.

ClickUp is a free, cloud-based program that helps to improve both your productivity and your budget. ClickUp helps to make both individuals and groups more productive in their work by consolidating tasks, documents, goals, and communication into one, all inclusive platform.

#### **ASPIRING LEADERS PROGRAMME**

Here are the courses that are part of the Aspiring Leaders Programme

**Course name:** Mindware: Critical Thinking for the Information Age

**Content Partner Name:** University of Michigan

**Language:** English (Arabic subtitles)

**Course Rating:** 4.8 / 5

**Approximate Number of Hours: 13 hours** 

**Overview:** 

Most professions these days require more than general intelligence. They require in addition the ability to collect, analyze and think about data. Personal life is enriched when these same skills are applied to problems in everyday life involving judgment and choice. This course presents basic concepts from statistics, probability, scientific methodology, cognitive psychology and cost-benefit theory and shows how they can be applied to everything from picking one product over another to critiquing media accounts of scientific research. Concepts are defined briefly and breezily and then applied to many examples drawn from business, the media and everyday life.

What kinds of things will you learn? Why it's usually a mistake to interview people for a job. Why it's

highly unlikely that, if your first meal in a new restaurant is excellent, you will find the next meal to be as good. Why economists regularly walk out of movies and leave restaurant food uneaten. Why getting your picture on the cover of Sports Illustrated usually means your next season is going to be a disappointment. Why you might not have a disease even though you've tested positive for it. Why you're never going to know how coffee affects you unless you conduct an experiment in which you flip a coin to determine whether you will have coffee on a given day. Why it might be a mistake to use an office in a building you own as opposed to having your office in someone else's building. Why you should never keep a stock that's going down in hopes that it will go back up and prevent you from losing any of your initial investment. Why it is that a great deal of health information presented in the media is misinformation.

**Course name:** Self-awareness & the Effective Leaders

**Content Partner Name:** Rice University **Language:** English (Arabic subtitles)

**Course Rating:** 4.7 / 5

**Approximate Number of Hours:** 26 hours

**Overview:** 

Part of being an effective leader is learning how to play to your strengths and overcome characteristics that don't lend to good leadership practices. During the course, you will examine your own strengths and learn ways to use them in a leadership role. Learn to manage stress and solve problems creatively. Throughout the course, you will also build a tool kit of useful techniques that you can begin using right away in your engineering career.

This course is designed for engineers who are interested in and have the desire to advance into leadership and management roles. You don't need any leadership experience to do well in this course. We ask you to reflect on your personal experiences pretty often,, so some work experience will help you in that aspect, but we hope that most of what you learn here will be applicable to many areas of your life.

Course name: Assessments in Higher Education: Prof Dev't for Teachers, Erasmus University

Rotterdam

**Content Partner Name:** Northwestern University

**Language:** English **Course Rating:** 4.8 / 5

**Approximate Number of Hours:** 18 hours

Overview:

Are you a teacher in higher education wanting to get the best out of your students and assessments? Then on behalf of Risbo, Erasmus University Rotterdam, we would like to welcome you to this MOOC on Assessment in Higher Education. In this MOOC we will guide you through the different phases of preparing, creating and evaluating the assessments in your course.

After participating in this MOOC, you will be able to:

- 1. Design an assessment that is constructively aligned (content, level, methods) with the course objectives and activities
- 2. Apply the quality criteria with respect to validity, reliability and transparency for construction of assessments and assessment items
- 3. Analyze the assessment output and results, assess the quality of the assessment and make decisions about students' grades accordingly
- 4. Formulate future improvements for an assessment

For the assignments, you will be working with your own teaching materials. For example you will create your own assessment plan for your course. Next to that you will become part of a learning community with teachers from all over the world.

We are offering you instructional videos, interviews, animations and checklists. In addition to these, there will be course activities, such as assessments, and discussion prompts. By participating in this MOOC, you will find answers to the following questions:

- What is the role of assessment?
- How can you select the right methods of assessment for your course?
- What is constructive alignment?
- How can an assessment plan and matrix help you in the construction of assessments?
- Is it possible to make an absolute reliable and valid assessment?
- How can the formulation of good assessment questions have an impact on that?
- What is the role of feedback?
- How can rubrics help with providing feedback?
- What are the things to consider when performing an exam or item analysis? What aspects should you look out for?
- How do you draw conclusions from an exam analysis and make plans for future improvements?
- If good students fail on certain questions, what does this say about the question... or about your teaching?

Are you ready for enhancing your teaching skills? Then take this journey with us.

**Course name:** Learning Technologies: Foundations & applications, **Content Partner Name:** University of Illinois, Urbana-Champaign

**Language:** English **Course Rating:** 4.5 / 5

**Approximate Number of Hours:** 8 hours

Overview:

This course, Learning Technologies Foundations and Applications, is one of the two four-week MOOC

courses that form part of Instructional Design MasterTrack Certificate. After completing the course, you will be able to:

- 1. Identify suitable learning technology applications for problem-solving tasks.
- 2. Evaluate learning technology solutions based on Cognitive Load Theory and related multimedia learning design models.
- 3. Justify the selection of learning technologies for solving organizational problems based on evidence and best practices.

**Course name:** Strategic Planning & Execution **Content Partner Name:** University of Virginia

**Language:** English (Arabic subtitles)

Course Rating: 4.7 / 5

**Approximate Number of Hours:** 11 hours

**Overview:** 

Avoid the pitfalls of strategy planning and execution with the tools and skills from this course. In this course, developed at the Darden School of Business at the University of Virginia and taught by top-ranked faculty, you'll learn the pillars of strategy execution--analysis, formulation, and implementation--and how to use the 4A model to effectively approach strategy execution. Finally, a panel of leaders from entrepreneurs, nonprofits, and industry, share their expertise gleaned from years of successful strategy planning and execution.

(Advanced Business Strategy) إستراتيجية الأعمال المتقدمة

**Content Partner Name:** University of Virginia

**Language:** Arabic / English

**Course Rating:** 5/5

**Approximate Number of Hours:** 12 hours

**Overview:** 

عزّ ز مهارات التحليل الإستراتيجي لديك في هذه السلسلة الخاصة بأسس إستراتيجية الأعمال. في هذه الدورة التدريبية، ستتعلم الأدوات اللازمة لتحليل الإستراتيجية عبر الزمن (الديناميكيات التنافسية) والصناعات (إستراتيجية الشركات) والمناطق الجغرافية (الإستراتيجيات الدولية) والمؤسسات (الإستراتيجيات غير السوقية). وسنقدم لك الأدوات التي تحتاجها لعمل تقييم شامل وفهم ديناميكيات الإستراتيجية في أي صناعة: دورة الحياة التنافسية وتحليل التدويل وأصحاب المصلحة ومصفوفات التنوع. سنقوم بتطبيق هذه الأدوات عبر دراسة حالات لبعض الشركات الرائدة مثل Disney و Orascom Telecom Holding و Orascom Telecom الشركات الرائدة مثل

(What is Data Science) ما علم البيانات؟ :Course name

Content Partner Name: IBM Language: Arabic / English Course Rating: 4.7 / 5

**Approximate Number of Hours: 12 hours** 

Overview:

فن الكشف عن الرؤى والاتجاهات في البيانات موجود منذ القِدم. استخدم قدماء المصريين بيانات الإحصاء لزيادة الكفاءة في عملية تحصيل الضرائب وكانوا يتنبؤون بفيضان نهر النيل كل عام بدقة. ومنذ ذلك الحين، اختط العاملون في علم البيانات مجالاً فريدًا ومتميزًا للعمل الذي يؤدونه. هذا المجال هو علم البيانات. في هذه الدورة، سنلتقي بعض الممارسين في مجال علم البيانات وسنحصل على لمحة عامة حول ماهية علم البيانات اليوم.

**Course name:** Creating Dashboards and Storytelling with Tableau

Content Partner Name: University of California, Davis

**Language:** English (Arabic subtitles)

**Course Rating:** 4.6 / 5

**Approximate Number of Hours:** 14 hours

**Overview:** 

Leveraging the visualizations you created in the previous course, Visual Analytics with Tableau, you will create dashboards that help you identify the story within your data, and you will discover how to use Storypoints to create a powerful story to leave a lasting impression with your audience.

You will balance the goals of your stakeholders with the needs of your end-users, and be able to structure and organize your story for maximum impact. Throughout the course you will apply more advanced functions within Tableau, such as hierarchies, actions and parameters to guide user interactions. For your final project, you will create a compelling narrative to be delivered in a meeting, as a static report, or in an interactive display online.

**Course name:** How to Write and Publish a Scientific Paper (Project-Centered Course)

**Content Partner Name:** Ecole Polytechnique

Language: English (Arabic subtitles)

Course Rating: 4.6 / 5

**Approximate Number of Hours:** 13 hours

**Overview:** 

What you will achieve:

In this project-based course, you will outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow you to independently judge whether your paper is ready to submit.

#### What you'll need to get started:

This course is designed for students who have previous experience with academic research - you should be eager to adapt our writing and publishing advice to an existing personal project. If you just finished your graduate dissertation, just began your PhD, or are at a different stage of your academic journey or career and just want to publish your work, this course is for you.

# \*About Project-Centered Courses:

Project-Centered Courses are designed to help you complete a personally meaningful real-world project, with your instructor and a community of learners with similar goals providing guidance and suggestions along the way. By actively applying new concepts as you learn, you'll master the course content more efficiently; you'll also get a head start on using the skills you gain to make positive changes in your life and career. When you complete the course, you'll have a finished project that you'll be proud to use and share.

**Guided Project name:** Spreadsheets for Beginners using Google Sheets

Language: English

**Guided Project Rating:** 4.7 / 5

**Approximate Number of Hours:** 1 hour

**Overview:** 

This 2-hour long project-based course is an introduction to spreadsheets. We'll be using Google Sheets in this project, which is the free spreadsheet program offered by Google. With that said, most of the concepts that you will learn in this project will be applicable to other spreadsheet programs, such as Microsoft Excel.

We will cover the following concepts in a hands-on manner:

- Basic data entry, formatting and calculations
- Relative and absolute cell references
- Basic functions: concatenate, split, sum, average, median, min, max, count, counta
- Advanced functions: vlookup, if, and, or, iferror, countif, countifs, averageif, averageifs, sumif, sumifs
- Dealing with error messages
- Conditional formatting
- Filtering and sorting
- Basic charts to visualize our data

We will end the project by applying these concepts and create a basic spreadsheet model that helps us analyze household expenses.

Note: If you don't have a Google account, you will need to create one to be able to complete the content.

**Guided Project name:** Engaging and Assessing Students with Plickers

Language: English

**Guided Project Rating:** 4.8 / 5

Approximate Number of Hours: 1 hour

#### Overview:

By the end of this project, you will have created a Plickers account complete with Plickers assessments, fully equipping you to begin using Plickers with your students right away. Plickers is a free online tool that allows you to instantly check student understanding. Best of all - your students do not need their own devices in order to use Plickers. Plickers allows students to respond with QR codes as you scan the room to check for understanding! During this project, we will work together to set up your Plickers account and learn how to create assessments you can use with your class or at home. We will also learn how to use the data we collect from these assessments in order to inform and adjust our instruction

\*You will need a free Plickers account for this project.