



Insights on Writing and Publishing a Better Review Article

Subtitle: A guide on how to write a better review article that is well-cited and suitable for publication in a high-quality journal.

1.0 Course Faculty Information

Name: Prof. Dr. M. Enamul Hossain
NSRIC Chair Professor in Sustainable Energy
NSRIC Inc., Toronto, Ontario, Canada

2.0 Course Information

Course(s) Codes	EDU-P-C00390
Class Days	Follow posting in NSRIC LMS system
Class Time	Follow posting in NSRIC LMS system
Course Credit Hours	1
Class Location	NSRIC online platform
prerequisites and/or co-requisites	n/a
Level /A, E, H, I, K12, M, P, S, T, U, V, W	T: Training courses

Note: The below classification of courses is related to any areas of knowledge:

A: Advanced level academic level courses; **C:** Canadian immigration and training courses; **E:** Executive courses; **H:** Higher-level courses (i.e., graduate courses); **I:** Intermediate courses (i.e., university preparatory courses – Grade XII+); **K12:** Foundational, and lower-level courses; **M:** Mid-level courses (i.e., undergraduate courses); **P:** Professional courses; **S:** Short/seminar courses; **T:** Training courses; **U:** Tutorial Courses; **V:** Vocational training courses; and **W:** Workshop courses.

3.0 Professor Information

Name	Prof. Dr. M. Enamul Hossain
Title	NSRIC Chair Professor in Sustainable Energy
Contact Information	enamulh@nsric.ca ; dr.mehossain@gmail.com
Office Location	NSRIC online platform
Office Hours	10: 30 am – 11:30 am EST (Monday) by email appointment

Our Specializations:

1. **ADK:** to create different avenues and opportunities for the **Acquisition and Dissemination of Knowledge**.
2. **BDM:** to create **Business Development and Marketing** relationships for the growth of the institution.
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4.0 Target Audiences

- Any researcher, scientist, educator, student, and interested reader in any discipline.
- University graduates, early career researchers, scientists, professionals, and mentors.
- Any undergraduate and graduate student who is interested in writing research articles.

5.0 Course Description

This course introduces the audience to the fundamental concepts and requirements, as well as an in-depth analysis of preparing a better review article in any field of study. Concepts, theory, and real-world seven example cases are blended through clear lecture notes, live sessions, learning activities, understanding questions, and review articles.

Scientific research, reviews of state-of-the-art works, and publications are essential to filling the knowledge gap and advancing education. Understanding the dissemination of new knowledge requires a significant literature review. It is essential that this knowledge is accurate, valid, high-quality, reproducible, and useful. Good quality journals maintain scientific endeavour and progress. Many journals aim to publish comprehensive and impactful review articles with durable results that will stand careful examination and authentication. As a result, journals always look to publish review articles that have scientific contributions and impact in finding the knowledge gap.

It is essential to follow the basic principles of scientific research and publishing. Then, improve the quality of the manuscript followed by the guidelines presented in this course. The course covers how to publish a review article in good quality journals, steps and strategy to craft a review article, challenges and checklist, peer review process of the manuscript submission, and where to publish. The course covers all loopholes in detail so that the article is ready for a potential publication.

This course is a resource guide and an excellent source for students, early and experienced researchers, scientists, academicians, and executives who want to learn concepts, important parameters, and steps to fulfill the requirements of writing a better review article's manuscript. The course contains a total of nine lectures, including a research project where each lecture comprises 25 to 35 PowerPoint presentation slides and PDF documents. The course is also designed with three quizzes. A certificate of completion will be awarded to the participant.

Keywords: high-impact, journal, peer review, publishing, writing skills, cover letter, citation counts, the h-index, journal impact factors, main theme, critical analysis, climax, resolution, chronology, title, abstract, introduction, literature, results, conclusions, acknowledgement, taxonomy, reference.

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6.0 Course Learning Outcomes

Students who complete this course can achieve the following course learning outcomes (CLOs):

Module I

- CLO1: Understanding the requirements for writing a better review article.
- CLO2: Ability to identify the insights, main criteria, and considerations of a better review article.
- CLO3: Understanding the process of mapping and structuring the article.
- CLO4: Ability to understand the structure for writing a better review article.
- CLO5: Familiarize yourself with the criteria for choosing where to publish.
- CLO6: Being able to navigate the peer review process of publishers.
- CLO7: The ability to comprehend, follow, and implement the article checklist to produce a good quality review article.

7.0 How the course supports the attainment of student outcomes

Student Learning Outcomes (1-6)						
1	2	3	4	5	6	7
Moderate	Moderate	Moderate	Low	Moderate	Moderate	Excellent

8.0 Course Materials

Online course materials

- Online presentation documents in PDF form.
- Audio/visual recording of lectures (Optional).
- Online tutorials and meetings with students upon request.
- Quizzes in the forms of True/False and MCQs for evaluation at the NSRIC online MLS system
- A project for the course completion
- Reading materials, if any, in pdf form

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9.0 Academic Integrity

Students are encouraged to have a look at the NSRIC's statement of academic integrity on the NSRIC website. It is noted that by signing this syllabus, you will acknowledge that you have understood that any detected plagiarism should be reported.

10. Assessment for Grade

This course is a professional course not an academic course (i.e., K12, and university level courses). Therefore, there will not be any assessment based on individual and team performance as shown in Table 1. However, the course contains four quizzes and assignments to make the assessment. Students will receive a "*Certificate of completion*" after successful completion of the course.

Table 1: NSRIC grading system.

Type of Assessment	Grade %
Participation/Engagement/Performance	10%
Assignments	0%
Quizzes	15%
Research Project (Writing the Review Article)	75%
Total	100%

Important Note:

- i) The below classified courses (i.e., academic courses) will only be evaluated based on the grade system shown in Table 2. A grade and certificate will be issued for the student(s) and participant(s).
A: Advanced level academic level courses; **H:** Higher-level courses (i.e., graduate courses); **I:** Intermediate courses (i.e., university preparatory courses – Grade XII+); **K12:** Foundational and lower-level courses; **M:** Mid-level courses (i.e., undergraduate courses).
- ii) The below-classified courses will **not** be evaluated based on the grading system shown in Table 2. A certificate will be issued for the student(s) and participant(s).

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Participation/Engagement/Performance

Your participation in every aspect of the course is important for the learning process. Your engagement in every discussion in the course and due delivery of all practices will be fruitful. These efforts from your side will reflect your performance in the course delivery and your commitments. This performance is the reflection of your dream grade!!

At the end of the term, Table 2 below will be used for translating your marks into a “Latter Grade” based on the NSRIC grading policy.

11.0 Advice and additional requirements

I advise you to:

- Please get in touch with me if you need any help.
- Students are expected to attend all scheduled online lecture classes.
- Students are expected to study from the course materials and/or textbooks, which will help them to read and understand easily.
- Students are encouraged to write their own notes during lectures/presentations (pdf PowerPoint presentations and additional materials, if any).
- Students are encouraged to attend online platform classes on time because late attendee disrupts the class flow for both the instructor and the other students.

Additional information (During the Online Course offering Period)

- The PowerPoint course materials and video lectures will be available on the NSRIC Platform.
- There will be scheduled discussion/tutorial sessions based on the request at the class scheduled time. All students must attend this session (Need the students’ email request).
- There will be an office hour for students on Monday from 10:30 am to 11:30 am EST (Toronto, Canada time). Students need to send an email request so that a Zoom meeting can be arranged. In addition, students can set up an online appointment (i.e., phone, Zoom, or other mode of communication) at any time based on the availability of the course instructor. However, students should request an email to set up this type of meeting.

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Table 2: NSRIC grading system.

Marks	Letter Grade	Points	Description
≥ 93	A+	4.00	Outstanding
≥ 90	A	3.75	
≥ 87	A-	3.50	Excellent
≥ 84	B+	3.25	Very good
≥ 81	B	3.0	
≥ 78	B-	2.75	Moderately Good
≥ 75	C+	2.50	Good
≥ 72	C	2.25	
≥ 69	C-	2.0	Moderately Good
≥ 66	D+	1.75	Pass
≥ 63	D	1.50	
≥ 60	D-	1.25	Poor Pass
< 60	F	0	Failing

12.0 Course Topics

- An introduction
- Criteria and critical parameters for writing a highly cited review article.
- Guideline on manuscript preparation, including article checklist.
- Where to publish your article

Requirements/Instructions

Students are advised to register for all drilling engineering modules courses to become a master in the subject area.

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13.0 Course Contents and Schedule

Lec. No.	Module	Topics	Remarks
Module I			
01	Introduction	Course details and introduction of a better review article	
02	Concept	Definitions, types, and importance of a better review article	
03	Steps and 13Ps	Considerations of steps and 13Ps before writing article	Quiz 1
04	Structure	Structure of a review article 1	
05	Structure	Structure of a review article 2	
06	Structure	Checklist and structure of review article 3	Quiz 2
07	Challenges	Remaining challenges and where to publish	
08	Peer review	Prior steps and peer review process	
09	Project	Guideline on course project	Quiz 3
10	Review articles	Four review articles as example cases	
Final Project – The manuscript submission date is within two weeks of the course completion			

Prepared by Prof. M. Enamul Hossain, NSRIC Chair Professor in Sustainable Energy, Dept. of Petroleum Engineering, OE Division, NSRIC Inc., Toronto, ON, Canada.

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