

NOTRE DAME OF MARYLAND UNIVERSITY

RISK MANAGEMENT PROGRAM

29 January 2026



US Army Corps
of Engineers®





NOTRE DAME OF MARYLAND RISK MANAGEMENT PROGRAM



- Who participates?
- How is the program conducted?
- What is the program focus?



WHO? *A FEW PREREQUISITES*



–REQUIRED:

- Undergraduate degree (must provide transcripts).
- Competence in basic arithmetic and college algebra.
- Regular access to a computer with reliable internet access.
- Commitment to complete the entire six class program over the next year.

–RECOMMENDED

- College level course(s) in probability and/or statistics.
- Intermediate skills using Microsoft Word/Excel.



HOW IS THE PROGRAM CONDUCTED?



- Six (6) graduate courses conducted entirely online on the NDMU course management system.
- Taught by NDMU faculty.
- Course lectures, readings, videos, and background materials are presented in modules typically consisting of a mix of reading and discussion of textbook and professional literature materials; viewing of video lectures or demonstrations; participating in class forums; completing a weekly quiz; and completing individual or group homework assignments.
- Students are provided with university email and library accounts.



PROGRAM FOCUS:

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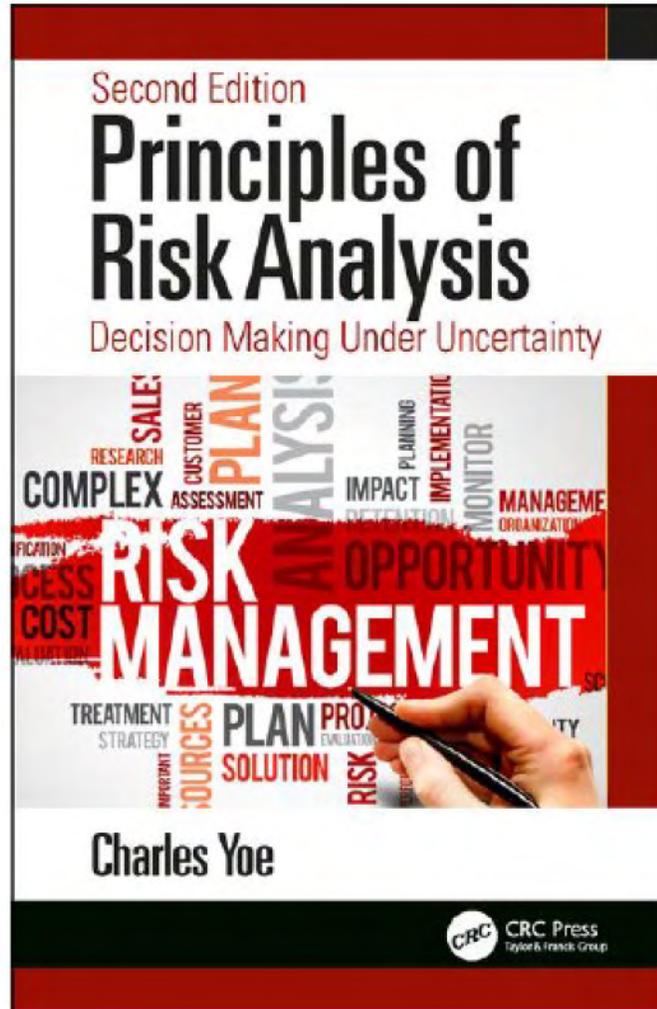


Learning objectives for this program are:

- Apply key risk science terminology and fundamental risk concepts to real-world situations.
- Develop a generic risk management model that is applicable to a wide variety of risk situations.
- Apply appropriate risk management methods to a specific risk situation.



COURSE LEADER – DR. CHARLES YOE, NDMU



CRC Press Publishes both Principles of Risk Analysis and the Primer on Risk Analysis: Decision Making Under Uncertainty by Charles Yoe, Ph.D.

Charles Yoe is a professor of economics at Notre Dame of Maryland University, Baltimore, and an independent risk analysis consultant and trainer. Working extensively for U.S. and other government agencies as a consultant and risk analyst, his wide range of risk experience includes international trade, food safety, natural disasters, public works, homeland security, ecosystem restoration, resource development, navigation, planning, and water resources. As a consultant to private industry, his work includes a discrete but wide variety of concerns. He has trained professionals from more than one hundred countries in risk analysis and conducted customized risk training programs for government agencies and private industry in over two dozen nations.



RISK MANAGEMENT COURSES



RIS 501-90 RISK MANAGEMENT

The language of risk is messy.
(Fall 2026 1st course)

RIS 502-90 RISK ASSESSMENT

What is your evidence for that?
(Fall 2026 – 2nd course)

RIS 601-90 UNCERTAINTY

There is no such thing as the number.
(Spring 2027 – 3rd course)

RIS 602-90 QUANTITATIVE RISK MGT

Get the question right.
(Spring 2027 - 4th course)

RIS 603-90 RISK COMMUNICATION

Be first, be right, be credible.
(Summer 2027 – 5th course)

RIS 630-90 ETHICS & RISK

Risk considerations involve values.
(Summer 2027 – 6th course)



HOW CAN RISK MANAGEMENT IMPROVE USACE PROJECT EXECUTION AND DELIVERY?





PREVIOUS AND CURRENT PARTICIPANTS

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- The twelve (12) cohorts since 2015 includes well over 150 USACE employees. Students to date have been supported by the Flood Risk Management Community, Dam and Levee Safety, Asset Management, and the Planning CoP.
- BENEFITS as relayed by participants:
 - *I think the depth, breadth and content of the certificate program far, far exceeds what is done with any other USACE offering. It's a big time investment, being graduate school, but the program is clearly purpose built for USACE and delivers.*
 - *The discussion on how to communicate and display risk was most beneficial to me. It has and will help me to inform the decision makers.*
 - *I found considerable value in seeing that the lack of information or even uncertainty about information at hand could still be revelatory in terms of decision support.*



APPLICATION DEADLINE: **TBD**

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Send applications to Nicholas Zaborowski
and cc: the sponsoring proponent