



SYLLABUS

Certified Neuroscience Registered Nurse® (CNRN) Review Course Spring/Summer 2021

The University of Iowa Hospitals and Clinics (UIHC)
Iowa City, Iowa

The Department of Nursing and Patient Care wishes to thank the
Eastern Iowa Chapter of AANN for the development and support of this program.

Course Facilitator

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For help with technical issues, contact: University of Iowa Information Technology
Services (ITS) Help Desk: <https://its.uiowa.edu/contact> its-helpdesk@uiowa.edu,
319-384-4357

For any other course related questions please contact: Department of Nursing,
Continuing Education: nursingcontinuinged@uiowa.edu

The University of Iowa Hospitals and Clinics

Course Title: Certified Neuroscience Registered Nurse® (CNRN) Review Course

Course Overview:

The CNRN Review Course is a comprehensive web-based offering that includes videos and quizzes designed to help participants prepare for the [CNRN® Certification Exam](#). Content also enhances participant's knowledge regarding nursing care for neuroscience patients. The course is self-paced and participants can earn Nursing Continuing Education (CE) credit upon successful completion and evaluation of the course. Participants will have access to this course from **February 1 – June 30, 2021. Nursing CE credits will be awarded after July 1, 2021; therefore CE credit earned may not be used for Iowa licensure renewal which occurs prior to July 1, 2021.**

Disclaimers:

Completion of this course does not ensure or guarantee the participant will pass the certification exam.

The facilitator/speakers for this review course have no affiliation with the American Association of Neuroscience Nurses' CNRN® Review Course.

The creation dates, for the modules in this course, spans from 2012 to 2020. Creation dates are listed on each video. Content is based on evidence available prior to the date of creation.

Course Purpose:

The purpose of this course is to enhance participant's knowledge of neuroanatomy, neurological assessment and neuroscience nursing interventions.

Course Objectives:

Upon completion of the course, the participant will be able to:

- 1) Describe correlative anatomy of the nervous system.
- 2) Analyze complex nursing management of neuroscience patients using information from diagnostic tests, assessments, and nursing interventions.

Course Structure:

Participants will login to the course website to access all course materials including: handouts, video lecture modules, quizzes, and a course evaluation. For a detailed list of the course work, see the **"Modules and Objectives"** section of the syllabus.

Fees:

- **UIHC Staff:** The course and CE credit are free for UIHC employees.
- **Non-UIHC Participants:** The course and CE credit for non-UIHC participants is \$80.00.

Registration:

- **UIHC Staff:** Please email nursingcontinuinged@uiowa.edu to register, please submit a name and license number. When your registration is processed, by the Nursing Continuing Education Office, you will receive an email confirmation and instructions for completing modules. **It may take 1-2 business days to receive the confirmation email.**

- **Non-UIHC Participants:** Please contact the Nursing Continuing Education office at UI Hospitals and Clinics, nursingcontinuinged@uiowa.edu for registration forms and payment information. When your registration is processed, by the Nursing Continuing Education Office, you will receive an email confirmation including a guest user account login and instructions for completing modules. **It may take 2-4 business days to setup a guest user account.**

Course Site:

CNRN Review Course: <https://www.healthcare.uiowa.edu/ncec/cnrn/>

Participants will be Expected to Complete:

- **Modules:** Participants can view all or a subsection of the modules. Nursing CE credit will be awarded based on the number of modules successfully completed.
- **Quizzes:** Each module includes a multiple choice quiz. Participants may use course materials to complete the quiz. **Participants must achieve a score of 80% or higher to receive CE credit for the module.**
- **Course Evaluation & CE Credit:** Participants desiring Nursing CE credit are only required to complete **ONE** course evaluation when **all of the desired modules** have been completed. Scores and course evaluations will be confidential.

Nursing Continuing Education Information:

Nursing Continuing Education (CE) credit will be granted by University of Iowa Hospitals and Clinics Department of Nursing (IBN Approved Provider #34).

- The Iowa Board of Nursing requires at least 60 minutes to award 1.0 contact hour of CE credit. Modules less than 60 minutes will not be eligible for CE credit unless 2 or more modules are complete to total more than 60 minutes of education.
- Successful completion of a module requires a score of 80% or higher on the quiz.
- Total credits awarded will be based on the number of modules successfully completed.
- The maximum number of CE credits for this course is **19.4 contact hours**.
- **Credits will be awarded after July 1, 2021; therefore CE credit earned may not be used for Iowa licensure renewal which occurs prior to July 1, 2021.**

Nursing Continuing Education Questions:

Questions regarding nursing continuing education credits should be directed to the UIHC Department of Nursing, Continuing Education: nursingcontinuinged@uiowa.edu or 319-356-1238.

General Course Information:

This course is supported by (ICON) learning management system (LMS) software (<http://icon.uiowa.edu/>). You can log into this site with your hawk ID and password. ICON help is available 24/7. Please contact the Information Technology & Support (ITS) Help Desk at <https://its.uiowa.edu/contact> or its-helpdesk@uiowa.edu or 319-384-4357.

Technology Requirements:

- **Web Browsers**

Windows, Google Chrome is the preferred web browser.

Apple, Safari (default installation) or Google Chrome is the preferred web browsers.

Free download: <https://www.google.com/chrome/>.

- **Portable Document Format (PDF) Files**

Adobe Acrobat Reader unless you already have the full version of Adobe Acrobat.

Free download: <https://get.adobe.com/reader/>.

Modules and Objectives

Title	Time	CE Credit	Presenter	Objective
Neuro Anatomy and Physiology	1:11	1.2 contact hour	Carolyn Poulakos, RN	Explain neuroanatomy and physiology to enhance neuroscience nurse's knowledge and patient care.
Cranial Nerves and Neuro Assessment	Part 1 53:08 Part 2 39:39	1.5 contact hour	Carolyn Poulakos, RN	Identify the cranial nerves and neurological assessment techniques.
Neurotrauma: Brain	1:01:31	1.0 contact hour	Tim Lindley, MD, PhD	Describe the types of brain injuries and interventions associated with trauma to the brain.
Neurotrauma: Spine	58:46	1.0 contact hour	Michele Wagner, MSN, RN, CNRN	Identify types of spinal cord injuries and nursing interventions associated with spinal trauma.
Complex Physiological Care of Neuroscience Patients	1:04	1.0 contact hour	Cody Gassmann RN, CCRN	Explain the complex physiological care of neuroscience patients.
CNRN Exam Preparation	23:36	.38 contact hour*	Melissa Gross, MSN, RN, CNRN	Identify knowledge needed to prepare and sit for the CNRN Exam.
Guillain-Barre' Syndrome and Myasthenia Gravis	30:34	.58 contact hour*	Andrea Swenson, MD	Identify the neurological changes associated with Myasthenia Gravis and Guillain-Barre' as well as the associated nursing assessments and interventions.
Movement Disorders	1:04	1.1 contact hour	Susan Carroll, RN	Identify movement disorders and associated nursing interventions.

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Title	Time	CE Credit	Presenter	Objective
Multiple Sclerosis	57:09	1.0 contact hour	Mishelle Paullus, ARNP	Describe multiple sclerosis and associated nursing interventions.
Brain Vascularity and Strokes	1:10	1.2 contact hour	Emily Jaksich, ARNP Alison Voss, ARNP	Describe brain vascularity, strokes and interventions associated with management of stroke.
Vascular Neuropathy: Aneurysms and Arteriovenous Malformations (AVMs)	20:40	.65 credit*	Connie Moffitt, ARNP	Describe AVMs and aneurysms and the nursing interventions associated with their management.
Seizures	52:36	.90 contact hour*	Mark Granner, MD	Describe seizure types, management of seizures and related nursing interventions.
Dementia	1:05	1.1 contact hour	Joel Geerling, MD	Discuss types of dementia, related nursing interventions and advances in management.
Headache	Part 1 23:19 Part 2 23:05	.77 credit*	Mishelle Paullus, ARNP	Identify types of headaches and nursing interventions associated with the management of headache.
Neuroscience Immune Disorders and Infections	1:06	1.0 contact hour	Susan Carroll RN	Identify neurological immune disorders, infections, and associated nursing interventions.
Brain and Spinal Cord Tumors	34.2	.5 contact hour*	Laura Langholdt DNP, NP-C	Describe common types of brain and spinal cord tumors, treatments and related nursing interventions.
Chronic Neurologic Disorders	56:06	1.0 contact hour	Anna Glaser, ARNP	Discuss chronic neurologic disorders, related nursing interventions and advances in management.
Neuro Endocrine Issues	50:18	.75 contact hour*	Carolyn Poulakos, RN	Explain common neuro endocrine disorders encountered when caring for neuroscience patients.
Rehabilitation of the Neuroscience Patient	Patient 56:01 Spine: 1:08:17	1.0 contact hour	Heather Bingham, MD Phil Chen, MD	Discuss management of the neuroscience patient in rehabilitation settings.

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Title	Time	CE Credit	Presenter	Objective
Pediatric Developmental and Degenerative Neuro Disease	1:17:36	1.25 credit	Daniel Hansen, MD	Discuss normal pediatric neurological development and pediatric degenerative neurological diseases.
Strategies for Success-Panel Discussion	24:21	.5 contact hour*	Panel Discussion	Identify successful strategies in preparing for the neuroscience certification examination.

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Additional Resources:

CNRN Website: [CNRN® Certification Exam](#)

Bader, M., Littlejones, L., Olson, D. (2016). *AANN core curriculum for neuroscience nursing (6th ed.)*. Glenview, IL: American Association of Neuroscience Nurses. ISBN: 0990482421, 9780990482420

CNRN Exam Secrets: CNRN Test Review for the Certified Neuroscience Registered Nurse Exam. (2016). Mometrix Media LLC. ISBN: 1609714350

CNRN Flash Cards

– www.flashcardsecrets.com/CNRN

CNRN Practice Tests and Review for the Certified Neuroscience Registered Nurse Exam (2016). Mometrix Media LLC. ISBN: 151670505X

Hickey, J. (2013). *The clinical practice of neurological and neurosurgical nursing (7th ed.)*. Philadelphia, PA: Wolters Kluwer Health and Lippincott Williams & Wilkins. ISBN: 1469832313