EA 213, Exceptionality II Physical Medical

1 credit, 3 hours per week

Course Description

This course will provide students with a practical overview on the special health care needs of children they may encounter in the field of education. We will explore the following topics diabetes, cystic fibrosis, cerebral palsy, asthma, seizure disorders, spina bifida, and allergies. Knowledge of the exceptionality as well as strategies for working with children who have physical and/or medical needs will be included.

Prerequisite: EA 202 or ELCC 301 *(Working in the Childhood Studies field)*

Instructor

Name: Catharine Szpak
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Phone number: 780-791-8908(office) 780-881-8554(home)
Email: Catharine.szpak@keyano.ca

Office Hours

Online

Hours of Instruction

Monday 6:30- 9:30 PM
May 10th to June 18th
Virtual

Required Resources

- Articles and readings will be included on Moodle

Course Outcomes

Upon successful completion of the course, the student shall be able to:

- Identify the types of health issues, including their etiology, and the children's care requirements.
- Recognize the reasons for establishing standards and guidelines for administering medication, and the process of medication delivery.
- Describe safety measures that one should consider when utilizing mobility devices.
- Describe the care and skills required when assisting a child with special nutrition and/or hydration needs.
- Describe the care and skills required when assisting a child with special elimination needs.
- Identify emergent situations and demonstrate the appropriate interventions.

Assessments

To complete course requirements for EA 213: Exceptionality II: Physical/Medical, you will be required to complete three assignments.

Evaluation

Assignment 1	Special Health Care Needs	30%	May 17/21
Assignment 2	Medication	30%	June 7/21
Assignment 3	Caring for a Child With Exceptionalities	40%	June 14/21

Total   100%

Assignment #1

Special Health Care Needs
Due Date: May 17th, 2021

This assignment will give you the opportunity to research a specific health care need, which will be provided to you from your instructor.
You will then present to your class, so that everyone has the opportunity to learn about the different exceptionalities. You will create a power point for this assignment. A copy of the power point will need to be submitted to your instructor for marking purposes.
You must submit the marking guide with your assignment. (Please follow the marking guide when creating your presentation)

You are required to cover the following content:
1. Give an explanation of the disease or condition you have been assigned to teach about. (what is the disease or condition?)
2. The prevalence of the disease or condition.
3. How could this exceptionality affect a child in school?
4. What treatments/interventions might you provide or be involved in as an educational assistant who cares for a child with this disease or condition?
All research needs to be evidence based, from reliable sources. Reference page must be provided.

Assignment 1 Marking Guide: Special Health Care Needs Presentation

Due Date: May 17, 2021

Explanation of the disease or condition	5 marks
Prevalence of the disease or condition	2 marks
Explanation of how this exceptionality could affect a child in school	5 marks
Description of the treatments or interventions an educational assistant may be involved with	5 marks
Presentation: clear, well organized, slides are concise and readable, answered any questions, creative, evaluated the groups understanding(ie 3 question Kahoot)	7 marks
Evidence based research. References were appropriately provided. (2-3 references)	3 marks
Grammar and spelling	2 marks
Submitted copy of power point for grading purposes	1 mark

Total   /30

Comments:

Assignment #2

Medication Assignment

Due: June 7/21

Each person will be responsible for choosing one of the medications below that may be prescribed for a student. If you feel that there is one that you would like to do and it is not listed please let me know. I welcome any new or not listed medications that you can give information on and about.

You will research and identify the drug and give at least *5 observable side effects.*

After you have identified these side effects, you will recommend accommodations and strategies, for each side effect, that you could use to make the students day more productive or easier for learning.

Example:
If the student were experiencing blurred vision one recommendation would be to scribe for him/her. This way the student may rest and listen to the lesson without having to strain their eyes.

1. Primidone
2. Dexedrine
3. Methylphenidate Hydrochloride
4. Haloperidol

This assignment must be a minimum of 2 pages and a maximum of 4.

At least 2 references Required

Assignment 2 Marking Guide: Medications

Due Date: June 7, 2021

Identifies drug name(gives both names: generic and trade)	2 mark
Description of drug (action/why student is taking drug/benefits)	3 marks
5 observable side effects	5 marks
Accommodation and/or strategy for **EACH** side effect that could be used to make students day more productive or easier for learning	15 marks (3 marks for each side effect)
Grammar and spelling	3 marks
Evidence based research. References were appropriately provided. (2-3 references)	2 marks

Total   /30

Assignment 3: Take Home Study

Due Date: June /21

This assignment will give you the opportunity to research special health care needs and apply the knowledge to specific situations. Please answer the questions to the following 3 case studies

#1 Case **Study: Mobility**

Kent is a seven-and-a-half-year-old boy who has just entered grade 2. He has spastic cerebral palsy that restricts his movement and has led to a number of secondary disabilities. The motor impairment has affected Kent's speech and he has developed very little oral communication. He has a constant drool. Kent also has a moderate-to-severe bilateral hearing loss and the audiologist has fitted him with two hearing aids. The loss seems to fluctuate, as Kent is prone to otitis media in the winter months.

Kent uses leg braces and a walker. With the braces, he can walk for short distances with a little help. To go from class to class, he needs his wheelchair, which he cannot handle by himself. He uses his wheelchair for seating in the classroom, but consistently needs repositioning. An educational assistant provides special help with the braces, the wheelchair, with toileting, and with dressing.

Answer the following questions:

1. What is otitis media? How will that affect his learning?
2. In what ways might you need to assist Kent with his hearing aids?
3. What is the difference between long and short leg braces? What is the purpose of leg braces?
4. Describe what safety measures you must consider when assisting Kent with his Wheelchair
5. Describe the appropriate way to reposition Kent while in his wheelchair.

#2 Case **Study: Nutrition**

Michael is a thirteen year old student with cerebral palsy. He is confined to a wheelchair and weighs 85 pounds. This is his first year in high school and you will be his Educational Assistant.

Michael has poor head control, delays in motor development, favours his left hand over his right, has problems swallowing, difficulty with vision and is prone to seizures. Michael requires a great deal of assistance with feeding. Given that he has difficulty swallowing, he is currently on a soft diet. His family have notified the teacher that they have noticed a slow decrease in his weight and appetite.

Answer the following questions:

1. What are Michael's potential risk factors in this scenario?
2. What communication approach would be best for Michael re: assisting him with feeding?
3. How would you help to increase Michael's appetite?
4. What actions would you take if Michael begins to choke?
5. Along with yourself who would/could be involved in Michal's nutritional and dietary needs.

#3 Case**Study: Medications**

Katie is a 5-year-old student who is classified within the range of mild intellectual disabilities. She also is diagnosed with cystic fibrosis. As per her individualized care plan and the school's policy you are to assist Katie in taking her salbutamol inhaler via an aerochamber at 1200 hr.

Answer the following questions:

1. What is cystic fibrosis?
2. What do you need to know before you can give this medication?
3. Describe the steps in which you will administer this medication.
4. What are the side effects of salbutamol?
5. How do you know if the salbutamol was effective?

See week one for marking guide

A grade of C- is required for progression or transfer.

Grading **System**

Legend			
Percentage Scale	**Alpha Grade**	**4.0 Scale**	**Descriptor**
94-100	A+	4.0	
	A	4.0	Excellent
90-93	A-	3.7	
86-89	B+	3.3	
80-85	B	3.0	Good
75-79	B-	2.7	
70-74	C+	2.3	
65-69	C	2.0	Satisfactory
60-64	C-	1.7	
56-59	D+	1.3	Poor
50-55	D	1.0	Minimum Pass
0-49	F	0.0	Failure

Proposed Schedule

Week 1: Introduction: Roles in regards to Health Care

Week 2: Diseases, Disorders and Conditions

Week 3: Allergies and Medications

Week 4   Mobility and Vision and Hearing Impairment

Week 5: Nutrition, Hydration and Elimination Needs

See the class schedule, topics, and readings as attached.

Please Note:

Date and time allotted to each topic is subject to change.

Performance Requirements

Student Responsibilities
It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the Keyano College credit calendar. The Keyano College credit calendar also has information about Student Rights and Code of Conduct. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

Student Attendance
Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and notes that may be due.

Academic Misconduct
Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own;
- The use of unauthorized aids in assignments or examinations (cheating);
- Collusion or the unauthorized collaboration with others in preparing work;
- The deliberate misrepresentation of qualifications;
- The willful distortion of results or data;
- Substitution in an examination by another person;
- Handing in the same unchanged work as submitted for another assignment; and
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College. More specific descriptions and details are found in the Student Rights and Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

In order to ensure your understanding of the concept of plagiarism, you must successfully complete the online tutorial found on ilearn.keyano.ca. Then print the certificate, sign it, and show it to each of your instructors. Your course work may not be graded until you show this signed certificate.

Specialized Supports
The Student Services department is committed to Keyano students and their academic success. There are a variety of student supports available at Keyano College. Due to the continuing situation with the Covid-19 pandemic, the offered support services will be implemented differently this semester by being provided mostly virtually. In-person service can be requested as needed. All Alberta Health Services guidelines will be followed for in-person appointments—wear a mask, maintain two meters of physical distance, use hand sanitizer, and stay home if you are unwell.

All student services are available during Keyano business hours: Monday to Friday, 8h30-16h30. The Library has evening and weekend hours. Please check keyano.ca/library for current hours.

Accessibility Services: provides accommodations for students with disabilities. Students with documented disabilities, or who suspect a disability, can meet with a Learning Strategist to discuss their current learning barriers and possible accommodations. Students who have accessed accommodations in the past are encouraged to contact us to request them for the semester. Please note that requesting accommodations is a process and requires time to arrange. Contact us as soon as you know you may require accommodations. For accessibility services supports and to book a virtual appointment, please contact accessibility.services@keyano.ca.

Accessibility Services also provides individual and group learning strategy instruction for all students, as well as technology training and supports to enhance learning. Meet with a Learning Strategist to learn studying and test-taking strategies for online classes. Schedule an appointment with the Assistive Technology Specialist to explore technology tools for learning. Book an appointment today by emailing accessibility.services@keyano.ca

Academic Success Coaching: offers you support and access to resources for your academic success to help you to find the Keys to your Success. The Academic Success Coach will work with you to develop an academic success plan, develop your study and time management skills, and connect you with the right resources here at Keyano. Academic.success@keyano.ca is the best way to access resources during virtual service delivery.

Wellness Services: offers a caring, inclusive, and respectful environment where students can access free group and individual support to meet academic and life challenges. Mental Health Coordinators offer a safe and confidential environment to seek help with personal concerns. All individual appointments will continue virtually.

Wellness Services welcomes students to participate in any of the virtual group sessions offered throughout the academic year addressing topics including mindfulness and test anxiety.

Individual virtual appointments can be made by emailing wellness.services@keyano.ca.

Library Services: provides students with research and information supports as they engage in their studies. Library staff are available to support you both virtually and in person during the fall semester. For library service supports and inquiries, please email askthelibrary@keyano.ca.

Individual support with the Information Librarian will be provided virtually. Appointments can be requested by email or by placing a Book a Librarian request using the online form found here.

Research and Subject Guides are helpful resources when conducting research or addressing your information needs. To view a subject or course specific guide, use the following Subject Guides link

To access additional research resources, including Citation Guides (APA, MLA, Chicago, or IEEE), go to the Research Help Library page.

Skill Centre: provides academic support services to students registered in credit programs at Keyano College in the form of tutoring, writing support groups, facilitated study groups, workshops and study space. Tutoring services are **free** to Keyano students. Tutoring is available for Math, Writing, English, and Science subject areas.

While most courses are being offered online, the Skill Center will be offering mostly virtual tutoring services and in-person sessions as requested. Please email Skill.centre@keyano.ca to get in contact with our tutoring staff.

For the most up to date information on how to book a tutoring session, please view the Keyano Skill Centre homepage.

E-Learning
Technology and internet will impact your online learning experience. It's important that you are able to watch an online video and other course materials, take online quizzes, and participant in a live class with your instructor and other students.

Keyano College operates in a Windows based environment and having the correct tools for online learning is important. Here's a list of recommended system requirements for Fall 2020.

Internet Speed
Minimum Internet speeds of 5 Mbps.
Recommended Internet speeds of 25 Mbps (especially if you are sharing your internet at home).
Check your internet speed with Fast.com.

System requirements:

Microsoft Windows	Apple
Minimum Requirements: A Windows 10 **computer/laptop** · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). Microsoft Office software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software	**Minimum Requirements:** A Macintosh (V10.14 and above) **computer/laptop** · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). Microsoft Office software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software.
Recommended Requirements · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.	**Recommended Requirements** · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.

Chromebooks are **not** recommended as they are not compatible with testing lockdown browsers.

A Microsoft Surface or iPad or iPad Pro may be possible alternatives in some program areas.

Specific department requirements:
Business and OA programs require Windows 10.
Other programs may utilize Windows based tools as well.
Computer Software
Students will be able to get access to Microsoft Office 365 for Free using Keyano Credentials by
clicking here.

Recording of lectures and Intellectual Property
Students may only record a lecture if explicit permission is provided by the instructor or by
Accessibility Services. Even if students have permission to record a lecture or lecture materials,
students may not publish any of the lectures or lecture materials, this includes any recordings, slides,
instructor notes, etc. on any platform. Thus no student is allowed to publish or sell instructor notes
without formal written permission. It is important to recognize that the Canadian Copyright Act contains
provisions for intellectual property.

ITS Helpdesk
If you are having issues with your student account, you can contact the ITS Helpdesk by emailing
its.helpdesk@keyano.ca or calling 780-791-4965.