

Course Syllabus and Lesson Plan
RSRS 577 Services for Low vision Persons 3 (2-2-5)
Academic Year 2017

Course Title: Services for Low Vision Persons

Course Code: RSRS 577

Pre-requisite: No

Duration: Second semester

Course Homepage: No

Course Description:

Definitions and nature of persons with low vision; diseases, causes and prevention of blindness and low Vision; paradigms, theories and procedures of low vision services; diagnosis and screening for vision and the related; referrals for further and other services and or vision corrections; literacy for persons with low vision; rights, benefits with welfare services, self help skills and preparations acquired for persons with low vision consistent with needs and growth development; quality of life, independent living and alternative cane techniques for persons with low vision; assistive devices, tools and non-handicapping environments for persons with low vision; low vision services in ASEAN and modernised countries; low vision services in related organizations.

Course Objective: At the end of this course, students will be able to

CLO1. Describe and summarize the relations among definitions, causes with preventions, philosophies and theories with paradigms, rights and duties based services related to services for low vision persons.

CLO2. Analyze and categorize models and procedures in vision screening and referrals for other services related to services for low vision persons.

CLO3. Criticize, compare and alter options with perspectives to public policies and projects related to services for low vision persons.

Course Outlines

Week	Topic	Teaching Activity/Media	Lecturer
1	-Course introduction. -Definition and nature of low vision persons, Diseases and causes with preventions.	<ul style="list-style-type: none"> - Lecture, - Discussion, - Analysis <u>Mats, concept correlation</u> - Handout, print disability simulation toolkit, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
2	Conceptual framework with paradigms and theories in services for low vision persons.	<ul style="list-style-type: none"> - Lecture - Discussion, - Analysis, concept correlation, - Handout, guide for self study & info search with conceptualization, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
3	Approaches and procedures in services for low vision persons.	<ul style="list-style-type: none"> - Lecture - analysis on components & structure of PBLs/reports - - Discussion, - Handout, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
4	Examinations and screening of vision with additional sensory perceptions.	<ul style="list-style-type: none"> - Lecture - - Session practices - Discussion - Handout, low vision simulation toolkit, basic vision screening toolkit, learnt lesson record guide. 	Assoc. Dr. Supa Kongsaengchai
5	Corrections and stimulations with trainings of vision with relevant sensory	<ul style="list-style-type: none"> - Lecture - Print disability role-play - discussion, - Handout, print disability 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang

	perceptions.	simulation toolkit, sets of magnifiers /toys/models/tools for sensory stimulations & trainings, learnt lesson record guide.	
6	Referrals onto relevant services.	<ul style="list-style-type: none"> - Lecture - Role-plays/case studies, - Discussion - Assignments (Questions for excursions & learnt experience records), <i>academic excursion</i>1/2. - Handout, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
7	Low vision literacy.	<ul style="list-style-type: none"> - Lecture - - LV KM-storytelling, - Discussion - Assignments (case studies on videos). - Handout, sets of exercises for LV literacy, online tools, samples of PBLs/articles/reports, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang with Ms. Netnapa Anuprasert
8	Social policy on social welfare regarding services for low vision persons.	<ul style="list-style-type: none"> - Lecture - - presentations on on-going PBLs - discussion - Handout, samples of inventories on quality of life/independent living skills, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
9	Mid-term Examination:	Take-home & Interview	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang

10	Early intervention including independent living skills 1: Principles.	<ul style="list-style-type: none"> - Lecture - - Brain-storming - <i>Academic excursion</i>2/2, - Presentation - Discussion - Handout, samples of inventories on quality of life/independent living skills, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
11	Early intervention including independent living skills 2: Applications.	<ul style="list-style-type: none"> - Lecture - Presentation - Discussion - session practices - Handout, samples of inventories on quality of life/independent living skills, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
12	Assistive technologies and environments with housing modifications.	<ul style="list-style-type: none"> - Lecture - Case studies - RS's assistive technologies & accessibility survey, -Discussion - Handout, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang with Mr. Worawit Kaewkerd
13	Services for low vision persons in associated organizations.	<ul style="list-style-type: none"> - Lecture - - Games on LV barrier-free environments & service programs design - Discussion - Handout, sets of online case studies, learnt lesson record guide. 	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
14	Services for low vision persons in ASEAN and	<ul style="list-style-type: none"> - Lecture - Case studies - Discussion 	Lect. Apichat Thammultri with Dr.

	civilized countries.	- Handout, case studies, learnt lesson record guide.	Wiraman Niyompol & Dr. Issavara Sirirungruang
15	Seminar 1: Services for low vision persons in Thailand.	- Presentations - Discussions - Assignments for final improvement of PBL1 with the additional. - Handout	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
16	Seminar 2: Comparisons of services for low vision persons among Thailand and ASEAN together with civilized countries.	- Presentations - Discussions - Assignments for final improvement of PBL2 with the additional. - Handout on online links as course summary for self study,	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang
17	Final Examination:	Take-home & Interview	Lect. Apichat Thammultri & Dr. Issavara Sirirungruang

Teaching Methods:

Lecture, Case and Group Study, PBL with Assignments, Academic Excursion, Presentation, Discussion

Evaluation of Student Achievement Grading System:

Learning Objectives	Tasks to Be Evaluated	Marks (Percentage)	
CLO1. Describe and summarize the relations among definitions, causes with preventions, philosophies and theories with paradigms, rights and duties based	Practice	6	25
	Class Attendance	3	
	Mid-term Examination	5	
	Final Examination	5	

services related to services for low vision persons.	Assignment Report	6	
CLO2. Analyze and categorize models and procedures in vision screening and referrals for other services related to services for low vision persons.	Academic Excursion	6	37
	Practice	2	
	Class Attendance	3	
	Presentation	7	
	Mid-term Examination	5	
	Final Examination	5	
	Assignment Report	7	
CLO3. Criticize, compare and alter options with perspectives to public policies and projects related to services for low vision persons.	Academic Excursion	6	38
	Practice	3	
	Class Attendance	4	
	Presentation	7	
	Mid-term Examination	5	
	Final Examination	5	
	รายงาน	7	
Total Marks			100

Grading System:

A = 90-100 Marks B+ = 80-89 Marks B = 70-79 Marks C+ = 60-69 Marks
C = 50-59 Marks D+ = 40-49 Marks D = Marks F < 40 Marks

Course Evaluation: Interview integrated in Mid-term and Final Examinations – the items are on

- Teaching style
- Learning activities
- Learning materials in needs
- PBL assigned – PBL-1 & PBL-2 (with the additional)
- Academic excursions required and Why

Required Learning Materials:

Books, Articles & Manuals

Acadia University. (2016). *Supporting students with disabilities: Accessible learning services*. (Faculty guide). Wolfville, Nova Scotia, CA: Acadia University.

Allman, Carol B. (2009). *Test access: Making tests accessible for students with visual impairments*. (4th ed.). Louisville, KY, US: American Printing House for the Blind [APH].

American Optometric Association. (2011). *Primary eye care profession: Optometric vision therapy*. (Reimbursement package). St. Louis, MO, US: American Optometric Association.

BC Ministry of Education. (2008). *Reading strategies for students with visual impairments: A classroom teacher's guide*. Vancouver, BC, CA: Special Education Technology British Columbia [SET-BC], BC Ministry of Education.

Cantor, Alan. (1996). The A-D-A-P-T-A-B-L-E approach: A practical guide to planning Accessible libraries. *Library Hi Tech*, 53(14): 41-45.

Christoffel Blindenmission [CBM]. (2016). *Inclusion made easy in eye health programs*. (Guide). Bensheim, DE: Christoffel Blindenmission [CBM].

European Blind Union [EBU] Office. (2015). *Implementing minimum standards for low vision services in Europe*. (Toolkit). Paris, FR: European Commission.

Low Vision Accessibility Task Force [LVTF]. (2016). *Accessibility requirements for people with low vision*. Cambridge, MA, US: Low Vision Accessibility Task Force [LVTF], World Wide Web Consortium [W3C], Laboratory for Computer Science [LCS], Massachusetts Institute of Technology [MIT]. Retrieved August 30, 2017 on <https://w3c.github.io/low-vision-a11y-tf/requirements.html>.

Ontario Council of University Libraries [OCUL]. (2014). *Accessibility information toolkit for libraries: Collaborate innovate deliver*. Toronto, ON, CA: Ontario Council of University Libraries [OCUL].

RNIB Northern Ireland. (2013). *Creating accessible primary care services for people with sensory loss*. (Guide). Belfast, IE, UK: RNIB Northern Ireland.

Thomas Pockington Trust. (2008). *Housing for people with sight loss*. (Booklet). London, UK: Housing Learning and Improvement Network, Thomas Pockington Trust.

UNESCO Bangkok Office. (2015). *Teaching children with disabilities in inclusive settings*. (Guide). Sukhumvit, Prakanong, Bangkok, TH: UNESCO.

Research Reports

Alicyn Ferrell, Kay; Dozier, Cherylann and Monson, Martin. (2011). *A meta-analysis of educational applications of low vision research*. (Technical report). Greeley, CO, US: National Center on Severe and Sensory Disabilities, University of Northern Colorado [UNC].

National Council for Special Education [NCSE]. (2009). *Nature of evidence in visual impairment education*. (Research reports). Meath, IE, UK: National Council for Special Education [NCSE].

van Dijk, Karin; Kishiki, Elizabeth and Courtright, Paul. (2014). *Low vision care in Africa: Practical approaches to clinical services, educational engagement and planning*. (Report). Seattle, WA, US: Light for the World.

Wilkins, Luke. (2015). *Vision testing and visual training in sport*. (PhD thesis – Sport, Exercise and Rehabilitation). Birmingham, UK: University of Birmingham.

Websites

Eye Can Learn. (2017). *Eye can learn: Eye exercises for visual health and school success*. (Website). San Francisco, Ca, US: WordPress, Automattic, Inc. Retrieved December 15, 2017 on <http://eyecanlearn.com/>.

Gallaway, Michael. (2017). *Pediatric optometry and vision therapy: Games*. (Website). Mariton, NJ, US: Michael Gallaway's. Retrieved December 15, 2017 on <http://www.drgallaway.com/vision-therapy/what-is-vision-therapy/games/>.

Optometry Today. (2014). *Low vision: The bigger picture*. (Video – 52 minutes). London, UK: Royal National Institute of the Blind [RNIB]. Retrieved December 11, 2017 on <https://www.youtube.com/watch?v=9Vk5bAEwV4g>.

Provincial Resource Centre for the Visually Impaired [PRCVI]. (2013). *Role and functions of a teacher of students with visual impairments [TSVI]*. (Video – 7 minutes). Vancouver, BC, CA: Provincial Resource Centre for the Visually Impaired [PRCVI]. Retrieved May 16, 2017 on <http://www.youtube.com/watch?v=PkgX32G46bQ>.

Runyan, Maria. (2015). *Role and value of the teacher of the visually impaired*. (Video – 20 minutes). Watertown, MA, US: Perkins School for the Blind. Retrieved December 15, 2017 on <https://www.youtube.com/watch?v=7rzmMiiT3Ao>.

Course Coordinator:

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