Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23

UNIVERSITY ATALBANY Jun Kal

UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT SYMBIOSIS

😰 SUNY EMPIRE

Building Research Capacity through Information Literacy

Artifact "Intercultural Information Literacy Program Design"

How **metacognition** can be used in higher education, to improve the quality of research work and build research capacity.

GROUP 5 Ana Elena Banduka Aman Suleimenov Areeb Abbas Zaidi Suryanshi Pateriya Florian Swoboda Jessica Schultz

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23

Agenda

What is the goal of this learning task?

How we proceeded – our way to the Artifact

Results from intercultural case studies

3

Δ

Summary: Information Literacy Program Design

What is the goal of this learning task?

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23

How metacognition can be used in higher education, to improve the quality of research work and build research capacity.

... to learn, how information literacy programs at universities should be designed to improve the quality of research work and build research capacity.

From an intercultural perspective Serbia Kazakhstan Poland India Germany

How we proceeded - our way to this Artifact

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23

4. RESULT: Artifact



Results from Serbian case studies

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23



It is essential that new generations of researchers, lecturers and students:

- gain knowledge about all available information resources
- basic concepts of the communication processes in science
- familiarization with terminology and professional expressions

Regular **meetings** are recommended in Academic **Library** Association

LIBRARIANS



Results from Kazakhstan case studies

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23



Promote metacognition

processes (managing

cognition)

 \rightarrow how they can employ suggested changes

their own level of knowledge

Results from Polish case studies

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23



Results from Indian case studies

Metacognitive Ability

Dissemination of information regarding the use of e-resources is not enough.

Methods & Strategies

- Information search studies, anti-plagiarism tools
- Learning and thinking Journals
- Self-directed learning (brainstorming)
- Mnemonics
- KWL charts

Reading Strategies

- Previewing
- Underlining unfamiliar words
- Re-reading difficult sentences
- Recalling summary

Education

- Teachers also need education regarding the use of information technology (Hassan, Mirza (2021), pp. 39)
- Metacognition and academic success correlate

 integrate metacognitive skills into curricular components (Pradhan, Das (2021) pp. 388)
- Using a tool to assess the metacognitive ability can help adjusting metacognition teaching programs to make them more effective (Omprakash et al. (2021) pp. 5)

Results from German case studies

Intercultural Perspectives on Information Literacy and Metaliteracy: A transnational online course in WS 2022/23



Information Literacy Program Design

How metacognition should be implemented

What should I do as a teacher?

- Externally assessing students' metacognition involvement & outcomes
- Assess the completion of metacognition learning goals
- Motivate students to improve their metacognition
- Promote managing cognition

Which methods should I use as a teacher?

- Information search studies
- Self-directed learning (brainstorming)
- Mnemonics
- KWL charts

Reading Strategies

- Previewing
- Underlining unfamiliar words
- Re-reading difficult sentences
- Recalling summary

How do I become a metacognitive learner?

- Gain knowledge about all available information resources
- Basic concepts of the communication processes in science
- Familiarization with terminology and professional expressions
- Self correction
- Self-evaluate
- Know the answer "Why" they learn to assure high level of motivation
- Learn to better assess the own level of knowledge
- Responsible and competent handling of own information and learning

Being able to connect **learning** and **research strategies** with processes of **lifelong learning** and with personal, scientific and professional goals.

How can I teach metacognition?

- Workshops with practical examples
- Collaborative learning in a team
- Embed Metacognition-components into regular courses
- Keep a self-reflection journal
- Self-evaluation training
- Gamification

Which Tools are helpful?

Using a tool to **assess** the **metacognitive ability**, can help adjusting metacognition teaching programs to make them more effective.

- Trello Board
- Anti-plagiarism tools

s 。

What my universities should do?

- Integrate metacognitive skills into curricular components
- Use social media presence to teach regular metacognition
- Cooperation with libraries



References

- "Comparing Information Literacy Levels of Canadian and German University Students." by M. Henkel, S. Grafmüller, D. Gros. In: Transforming Digital Worlds. iConference, Lecture Notes in Computer Science, Vol 10766, Springer, 2018.
- "What Is Information Literacy and How to Improve It?" by J. Griesbaum, D. Çetta, T. Mandl, E. G. Montanari. In: In: T. Schmidt, C. Wolff (Eds.): Information between Data and Knowledge. Information Science and its Neighbors from Data Science to Digital Humanities. Proceedings of the 16th International Symposium of Information Science (ISI 2021), Regensburg, Germany,. Glückstadt: Verlag Werner Hülsbusch, pp. 24—43, 8th— 10th March 2021.
- "Digital Literacy of Foreign Language Teachers in the Framework of Continuous Professional Development" by O.V. Syurmen, G.M Kassymova, T.N Efremtseva. Kazakh National Women Pedagogical University's Journal, 4(80), 141-146, 2019.
- "Digital and Media Literacies in the Polish Education System—Pre- and Post-COVID-19 Perspective" by Karina Cicha, Paulina Rutecka, Mariia Rizun and Artur Strzelecki. Education Sciences, 11(9), 532, 2021.
- "Information Literacy (IL) Model for Indian Higher Learning Environment: A Practical Approach to implementation of IL Instruction Program at University Libraries" Hemavathi B N, Ramesha B, The Journal of Indian Library Association, Vol 46, No 4, 2020.
- "Threshold-Konzepte, das ANCIL-Curriculum und die Metaliteracy Überlegungen zu Konsequenzen für die Förderung von Informationskompetenz in deutschen Hochschulen." by W. Sühl-Strohmenger. O-Bib. Das Offene Bibliotheksjournal. VDB, 4(1), 10–25, 2017.
- "2018 metaliteracy goals and learning objectives.." by T. Jacobson, T. Mackey., K. O'Brien, M. Forte, E. O'Keeffe. Metaliteracy, 2018. https://metaliteracy.org/learning-objectives/2018-metaliteracy-goals-and-learning-objectives/ (last access 2023-02-14)

Thank you for listening!

The Learning Task is successfully completed

"We hope that this learning task was interesting and helpful in learning how metacognition can be used to improve the quality of research work and build research capacity."