Project seminar for SEMPER May. 4-5th 2026

Western Norway University for Applied Sciences
Campus Sogndal; Høgskulebygget; *Josten auditorium*

SEMPER (Self-Efficacy in Mathematics, Pathways in Education Research) is an RCN-funded collaboration project between the research institutions Western Norway University of Applied Sciences (HVL), the University of Stavanger, the University of Oxford, and the Sunnfjord school region. Key SEMPER aims are to develop knowledge regarding students' individual learning processes in mathematics and to support teachers in developing their differentiated instruction in mathematics. *During this seminar, we invite researchers and practitioners to come together to discuss emerging findings from the SEMPER project.* The first day of the seminar is adapted to and particularly relevant to the field of practice; the second day is adapted to local and international researchers. Both days are open to all.

It is possible to follow the seminar via zoom – you will receive a link when you sign up.

Monday May 4th: SEMPER findings and their implications for practice

08:30 – 09:00	*Registrations, mingling with tea / coffee, and fruit*
09:00 – 09:30	Welcome by Åge Stafsnes & Karin Street, introductions
09:30 – 10:30	*Students' mathematics self-efficacy across lessons in mathematics: how do they change and what factors predict students' self-efficacy changes.* Presentation by Karin Street followed by discussion.
10:30 – 10:45	*Short break w/tea & coffee*
10:45 – 11:30	*Students' mathematics anxiety and the relationship between mathematics anxiety and self-efficacy.* Presentation by teacher and master student Linda Storøy followed by discussion.
11:30 – 12:30	*Lunch*
12:30 – 13:00	What have we learned so far, and what does this mean for classroom practice? Discussion in smaller groups.
13:00 – 14:00	*The effect of teacher-student interactions on students' mastery experiences at the end of the lesson.* Presentation by Professor Lars-Erik Malmberg followed by discussion.
14:00 – 14:15	*Short break w/tea, coffee, and a snack*
14:15 – 14:45	What have we learned so far, and what does this mean for classroom practice? Discussion in smaller groups.
14:45 – 15:30	The way ahead: SEMPER workshops autumn 2026. Information and questions
15:30 – 16:00	Closing remarks by Karin Street & Åge Stafsnes

NB! Changes to the program may occur

Tuesday May 5th: Methods and findings

08:30 – 09:00	*Registrations, mingling with tea / coffee, and fruit*
09:00 – 09:15	Welcome, short introductions
09:15 – 10:30	*Students' latent classes of mathematics self-efficacy change across lessons in mathematics, and factors predicting self-efficacy changes. A latent Markov transition analysis.* Presentation by SEMPER researcher and Oxford DPhil student Henro Lo, followed by discussion.
10:30 – 10:45	*Short break w/tea & coffee*
10:45 – 12:00	*Students' mathematics attributions and self-efficacy.* Presentation by HVL PhD student Rohit Daniel followed by discussion.
12:00 – 13:00	*Lunch*
13:00 – 14:00	*Differential effects of classroom quality on students' mastery experiences. A cross-classified multilevel structural equation model.* Presentation by Professor Lars-Erik Malmberg, followed by discussion.
14:00 – 14:15	*Short break w/tea, coffee, and a snack*
14:15 – 14:45	*Professional development through SEMPER: Design and methods of a proof-of-concept professional-development initiative autumn 2026*. Presentation by Dr Karen Skilling, followed by discussion.
14:45 – 15:15	*Developing an individualized observation scoring protocol: Status and next steps*. Presentation by Dr Grete Vaaland followed by discussion.
15:15 – 15:30	*Short break*
15:30 – 16:00	What have we learned, and what are implications for research and practice? Discussion.

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You can register here

(Sign up to register which days you will attend – digitally or physically - and your dietary requirements concerning lunch)

It is possible to follow the seminar via zoom (same link for both days). When you sign up you will receive a zoom link. Zoom log-on information will also be published on the HVL calendar.