



IN-COURSE EXAM REMEDIATION

EXAMPLE COURSE #1

Background

Information Mastery II is a one-semester, two credit hour second professional year biomedical literature evaluation course that has utilized an in-course individual exam remediation policy since the Spring 2020 offering.

Remediation Eligibility

- Students scoring <70% on exams 1, 2, and/or 3 are eligible for an optional remediation exam.
• Attendance at a review session prior to the remediation exam is required.

Remediation Process

- Initial exams include a content-specific portion and an application portion based on a piece of primary or tertiary literature.
o Remediation exams only focus on core course content from the initial exam.
• Maximum remediation exam grade awarded: 70%

Outcomes

- Between 2022 and 2023, 35/80 (44%) students eligible to remediate an individual exam chose to do so.

Table with 2 columns: Characteristic, Outcome. Rows include: Individual Remediation Exam Outcomes 2022-2023, Students with improved exam scores, n (%), Initial exam score (%), mean (SD), Remediation exam score (%), mean (SD).

Discussion

- In-course remediation can improve students' individual exam scores. Points to consider include:
• Long-term retention of information
• Faculty workload
• Remediation rates

EXAMPLE COURSE #2

Background

Integrated Pharmacotherapy: Cardiology is an 8-week, five credit hour second professional year course. In-course exam remediation was implemented in 2022 to improve student comprehension and decrease the number of students requiring course remediation.

Remediation Eligibility

- Students scoring <70% on exams 1, 2, and/or 3 are eligible for an optional remediation exam.
• Attendance at a review session prior to the remediation exam is required.

Remediation Process

- Remediation exams assessed the same content and used the same format as the original exam (i.e., multiple-choice questions and short-answer case vignettes).
• Maximum remediation exam grade awarded: 70%

Outcomes

- The average exam score for students eligible for exam remediation increased for all three exams.

Table with 4 columns: Exam, Original, Remediation, Mean Difference. Rows include Exam 1, Exam 2, Exam 3.

- 2022: Zero students required course remediation.
• 2020 and 2021: 14 students required course remediation.

Discussion

- In-course exam remediation improved exam scores and decreased the need for course remediation.
• More specific data is needed to assess the effect on student comprehension and retention of course content.

SKILLS LAB REMEDIATION

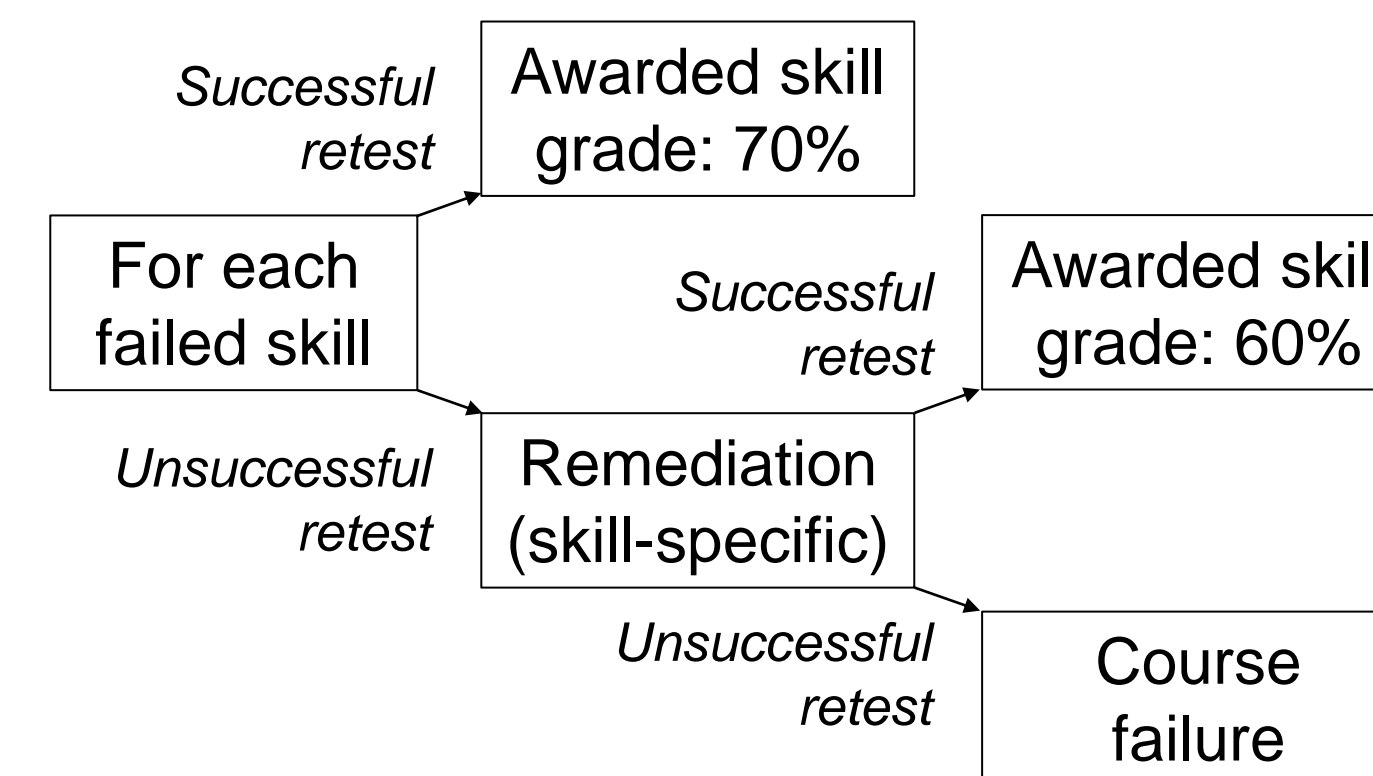
Background

Skills Lab is a 5-semester series in which students must earn a passing course grade in addition to passing several high-stakes assessments, referred to as critical skills. Retesting and/or remediation of critical skills is required for students who are unsuccessful in passing the initial offering.

Remediation Eligibility

- Students scoring <70% or below cut-point on critical skills.
• If a second attempt is unsuccessful, a skill-specific remediation plan must be completed prior to the final attempt.

Remediation Process



Outcomes

- In the 2022-2023 academic year, 46 students required critical skill retesting. All students were eventually successful in passing their respective course.

Table with 3 columns: Skills in Course, Students requiring Retest. Rows include Lab 1, Lab 2, Lab 3, Lab 4, Lab 5.

Discussion

- Individual skill retesting/remediation allows for students to demonstrate competency and progress in the curriculum.

APPE REMEDIATION

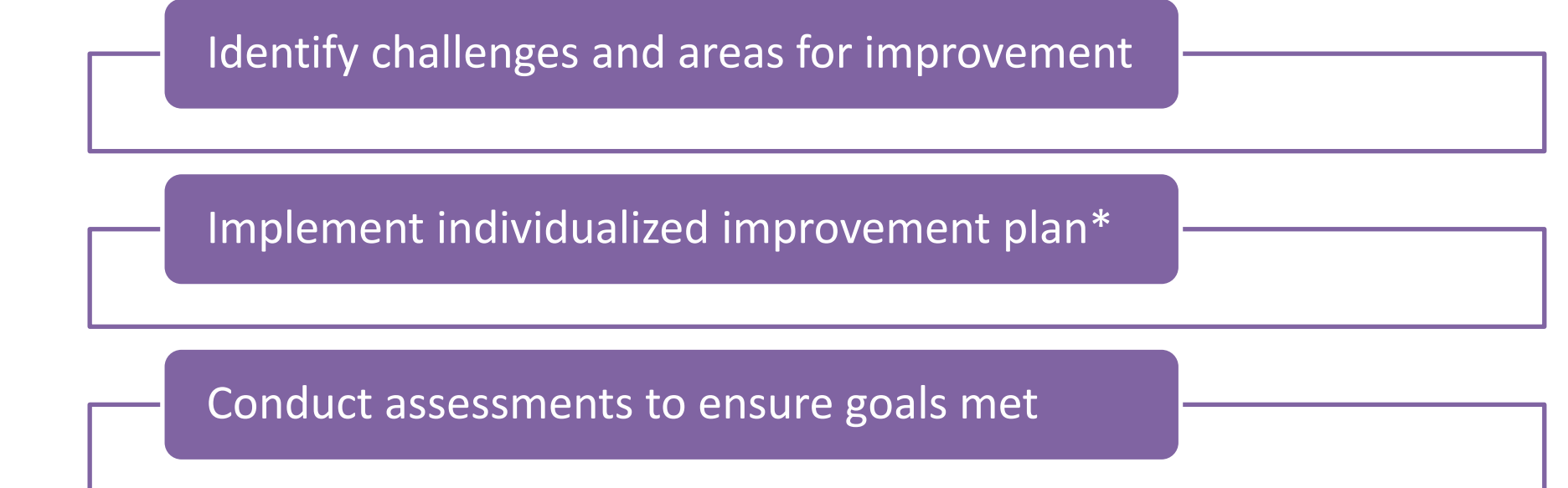
Background

Each student completes eight, 5-week APPEs throughout the academic year. To pass an APPE, the student must pass each area on the performance evaluation (practice, communication, and professionalism) and two assignments. Based on past student challenges, this APPE remediation process was implemented in 2019-20 to better support student growth and development.

Remediation Eligibility

- Student fails one APPE rotation.
• Student is on medical/personal leave for > 2 modules.

Remediation Process



\*Example practice opportunities include, but are not limited to, completing patient cases, reviewing PPCP, doing case presentations and journal clubs, reviewing drug facts and guidelines, addressing mental health challenges, developing time management/organizational skills, etc.

Outcomes

Table with 4 columns: Reason for Remediation, # of Students, Success After Remediation, On-Time Graduation. Rows include Failed APPE, Extended Leave.

a No failed rotations after remediation; b Failures unrelated to remediation; c Three had a leave plus remediation; 3 had additional failed APPE d Students had > 3-month medical leave

Discussion

- Individualized remediation activities can facilitate student success and on-time graduation.