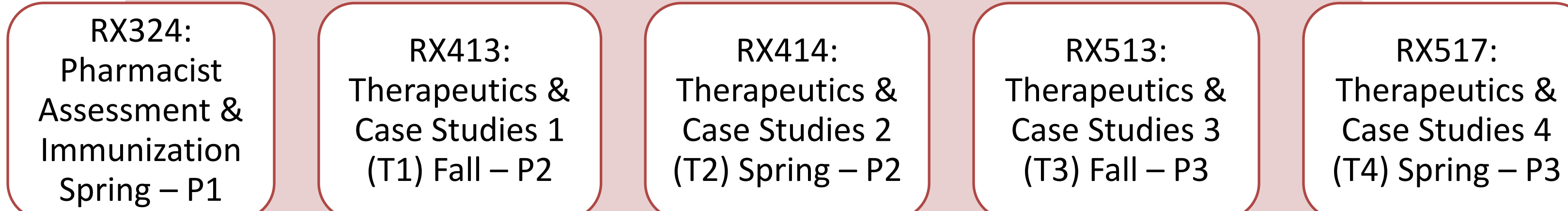


PURPOSE

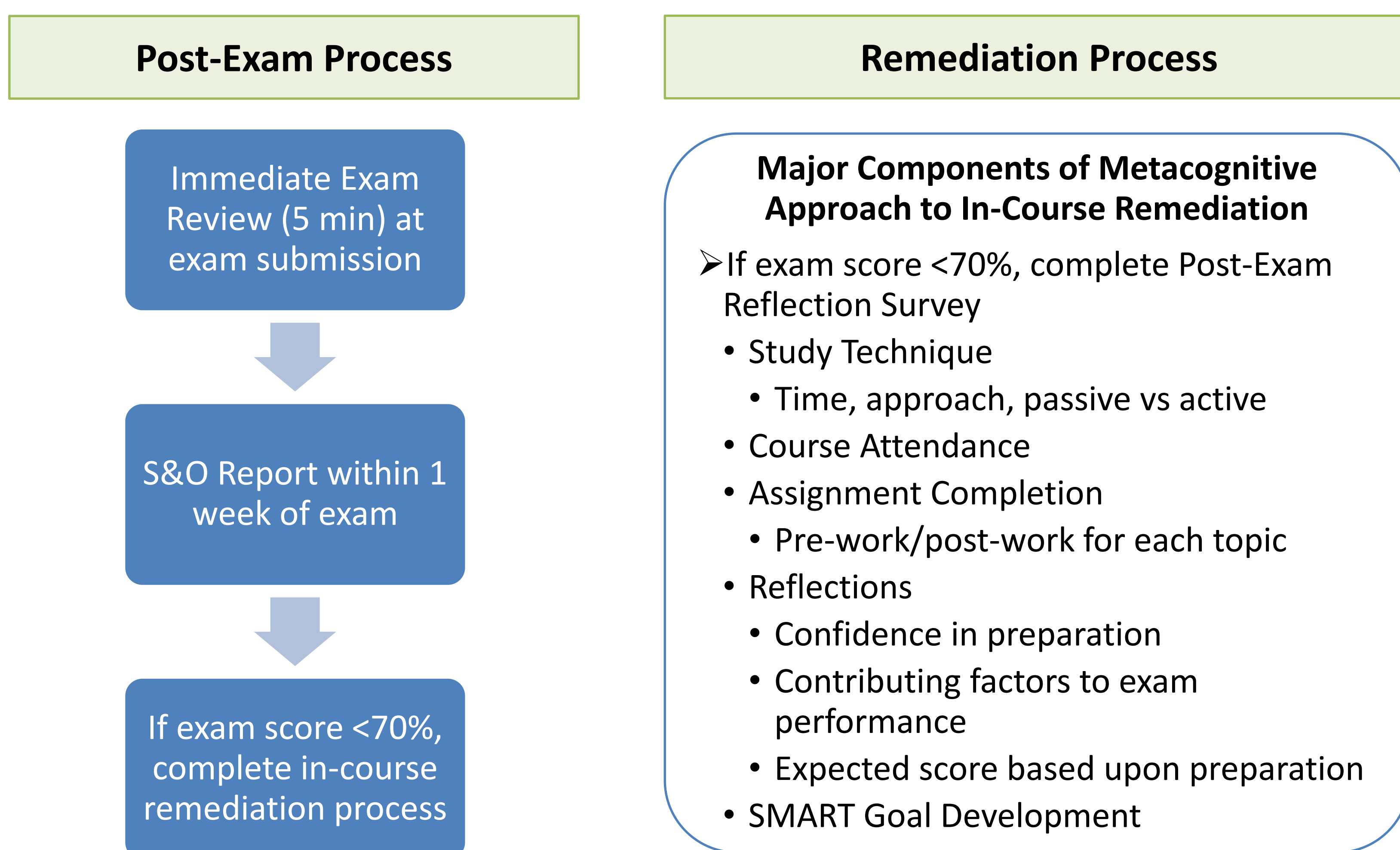
- To describe post-exam processes and determine student perceptions of current approaches and in-course remediation

PHARMACOTHERAPEUTICS SERIES



- Pharmacy program consists of two distinct student pathways: Campus-based pathway (CBP) and Online pathway (OLP)
- Successful completion of the five-semester Pharmacotherapeutics course series is required sequentially to progress in the curriculum
- Post-exam processes and a metacognitive approach to in-course remediation implemented five years ago with CBP and with the launch of OLP
 - Immediate exam review of missed questions and rationale through ExamSoft
 - Strengths & Opportunities (S&O) Report through ExamSoft to review performance of tagged categories with learning objectives and Bloom's taxonomy

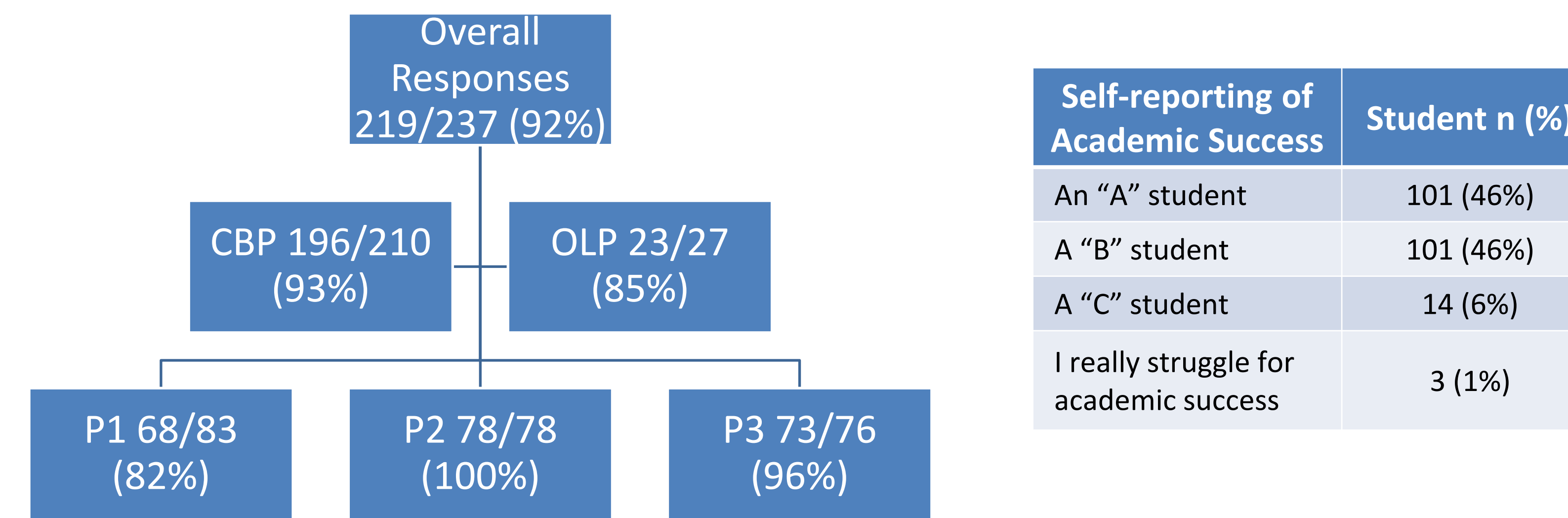
CURRENT POST-EXAM PROCESSES



SURVEY

- Qualtrics survey distributed Spring 2024 to determine student perceptions of current post-exam processes and in-course remediation
- Anonymous survey responses from first-year (P1), second-year (P2) and third-year (P3) pharmacy students in both CBP and OLP at Butler University
- Logic-based survey questions included multiple-choice, 5-point Likert scale, and open-ended to evaluate demographics, post-exam processes, and in-course remediation

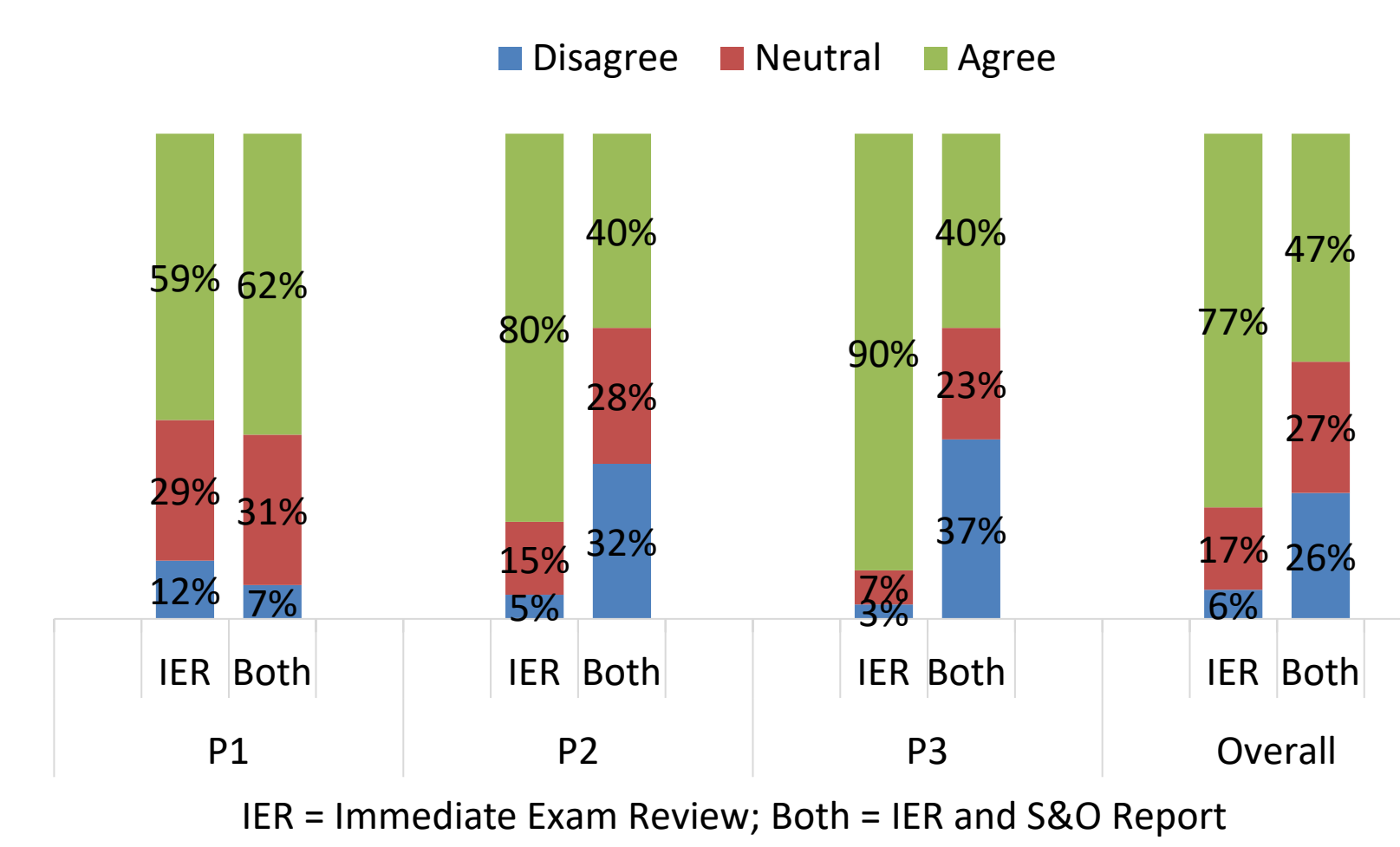
SURVEY RESULTS



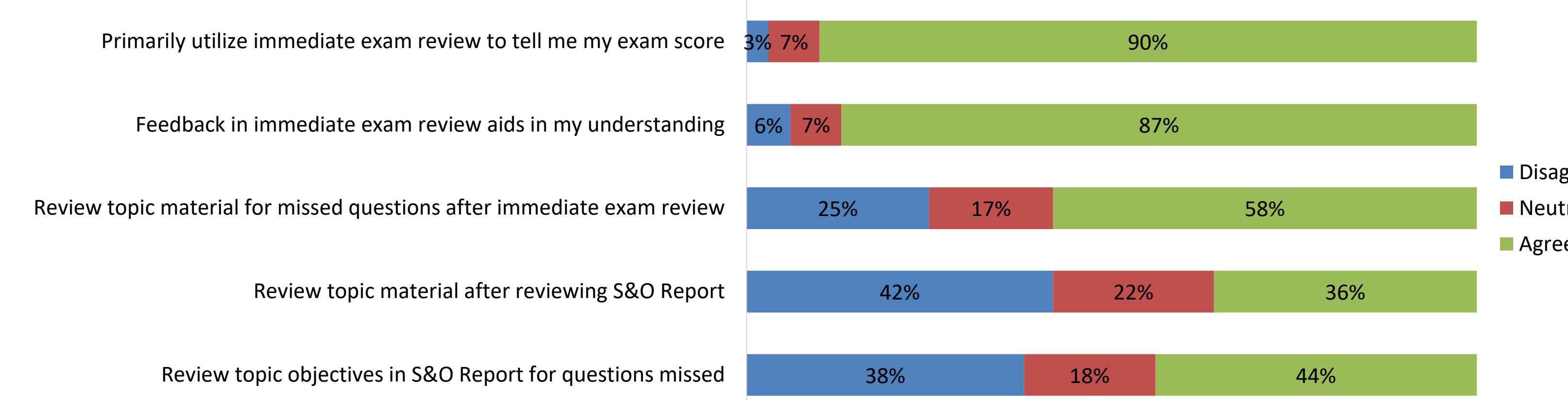
Self-reporting of Academic Success	Student n (%)
An "A" student	101 (46%)
A "B" student	101 (46%)
A "C" student	14 (6%)
I really struggle for academic success	3 (1%)

I reviewed the S&O Report...	P1	P2	P3	Overall
After each exam	31%	8%	7%	15%
After most exams	21%	8%	12%	13%
After some exams	32%	37%	45%	38%
Never	16%	47%	36%	34%

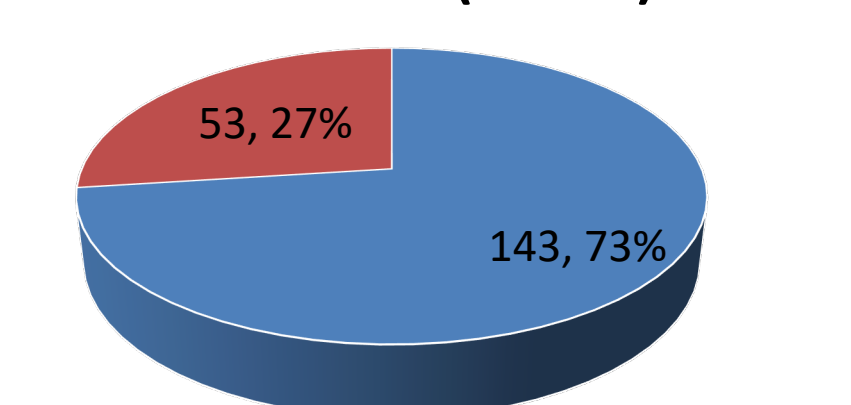
Preference for Post-Exam Process



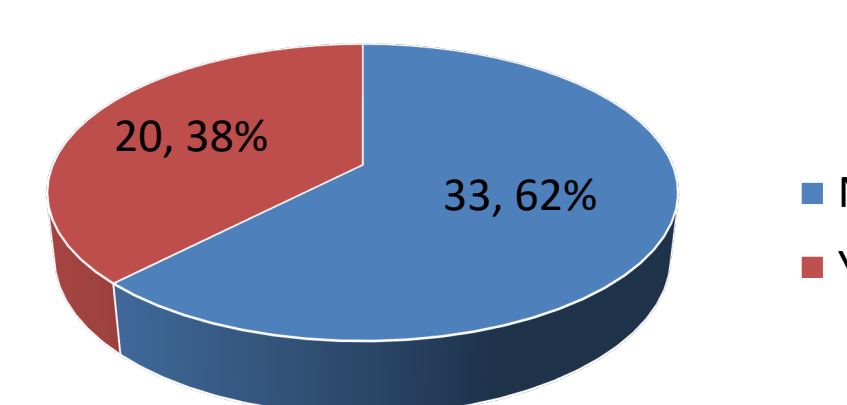
Student Perceptions of Immediate Exam Review and S&O Report, n=219



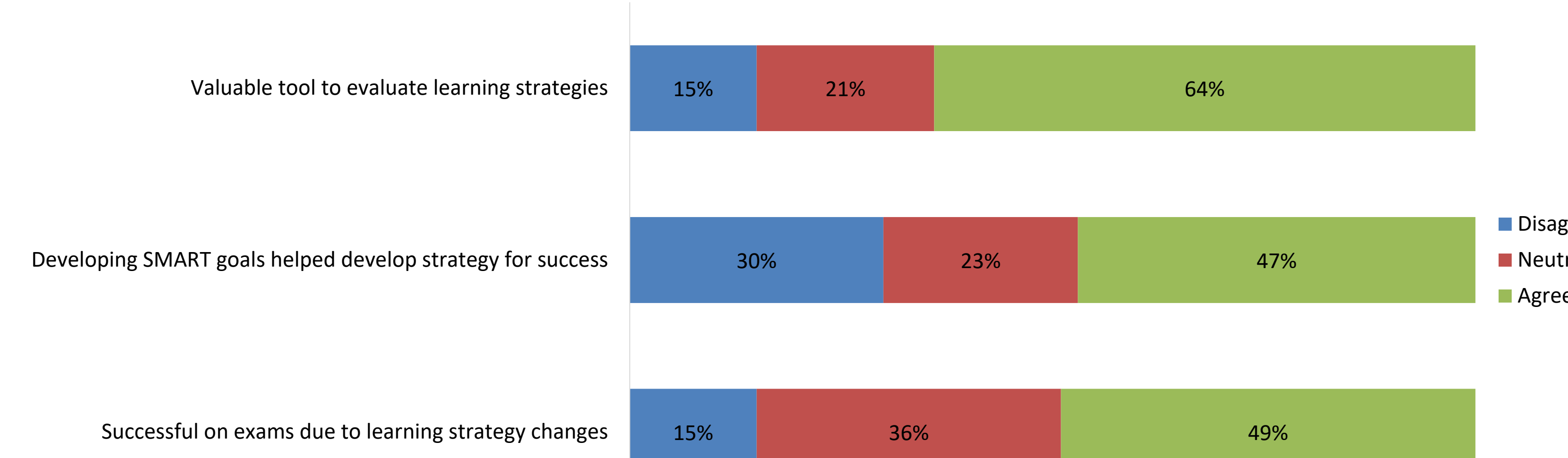
I have completed a post-exam reflection survey after an exam. (n=196)



I met with the course director after the post-exam reflection survey. (n=53)

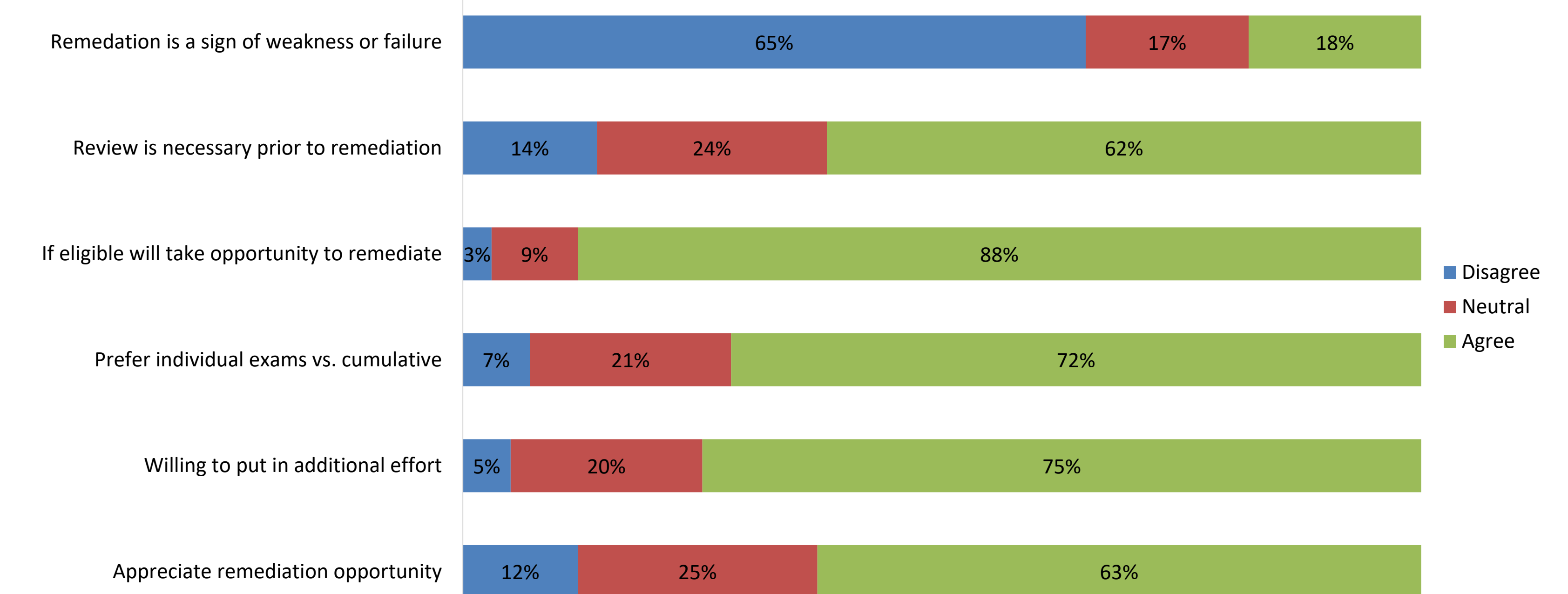


Student Perceptions of Post-Exam Reflection Survey, n=53



SURVEY RESULTS CONTINUED

Student Perceptions of In-Course Remediation, n=219



Student Open-Ended Feedback

- Post-Exam Processes: Preference for Immediate Exam Review**
 - Beneficial for understanding mistakes and knowing score immediately
 - Some express confusion about S&O Report layout or find it too vague
- Post-Exam Reflection Survey Process: Mixed Perceptions on Effectiveness but Value Identifying Areas for Improvement**
 - Helps identify topics or areas they struggled with during the exam
 - Provides insights into weaknesses and helps set goals for improvement
 - Students express appreciation for the opportunity to meet one-on-one with course director to discuss strategies and receive feedback on performance
- Remediation: Desire for Continued Support and Feedback**
 - Students express support for the idea of offering remediation opportunities, particularly in the form of remediation exams or review sessions
 - Students believe the chance to restudy the material and potentially improve their grades would be beneficial, especially for exams that cover complex/challenging topics
 - Concerns about fairness and implementation
 - Students want to make sure remediation strategies are respectful of everyone's time and implemented in a way that does not disadvantage students who perform well on exams
 - Others view remediation as a supportive measure that can help struggling students improve their understanding of the material and succeed in the course

CONCLUSIONS

- Students value the immediate exam review along with the post-exam reflection survey process and view in-course remediation as positive tool for success
- To ensure understanding and full utilization, suggest enhancing orientation to the S&O Report and the post-exam reflection survey process for students at the start of this course series
- Next steps include refining processes and incorporating an individualized in-course remediation approach for eligible students throughout this course series