The Re-Expansion of Conservation Science Student Research Projects

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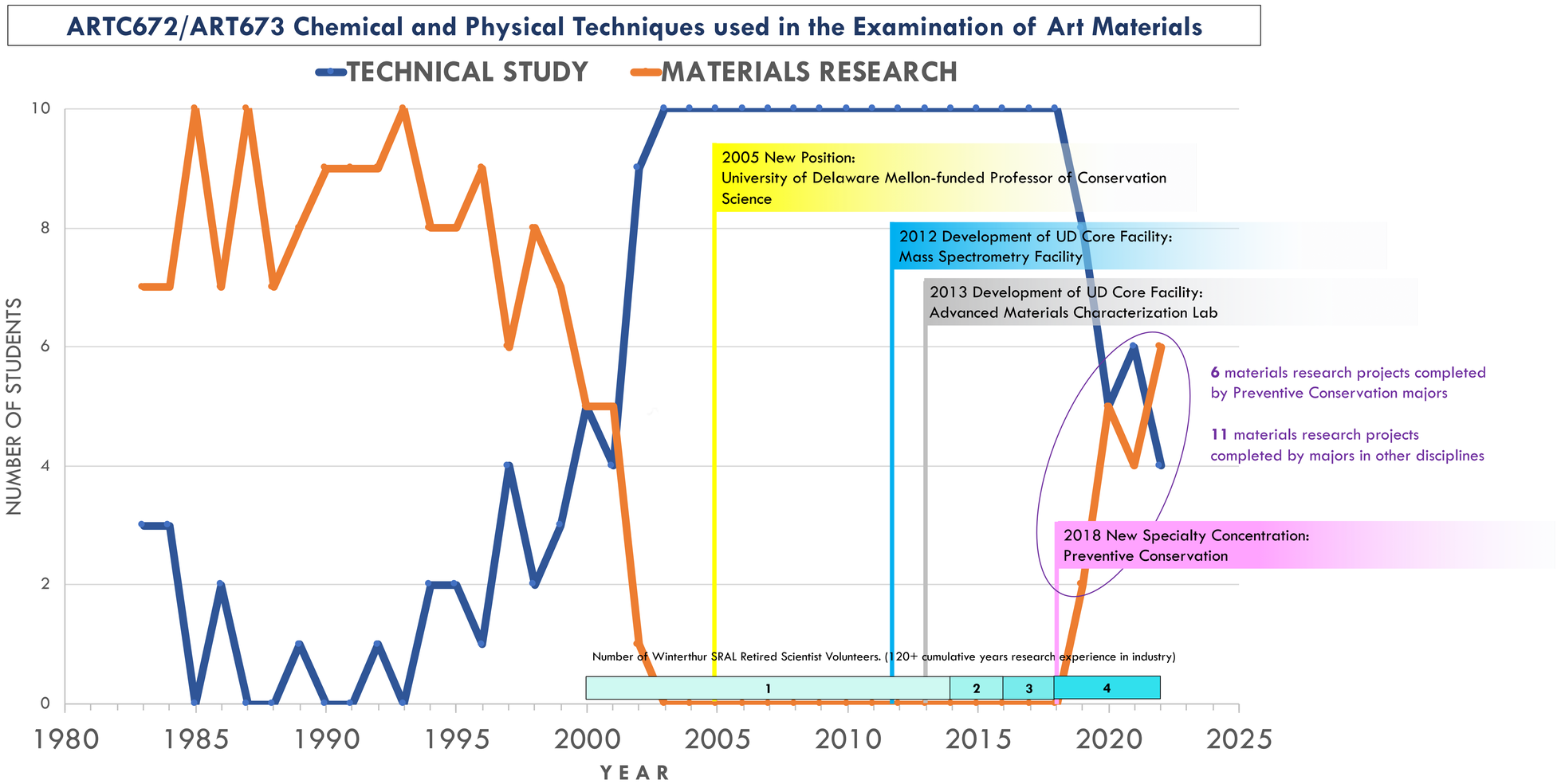
SUMMARY

Three major factors over the past several years have changed the focus of the WUDPAC course ARTC 672/673 to once again include materials research projects in addition to technical studies; the creation of the University of Delaware Mellon-funded professorship in conservation science and additional SRAL scientist volunteer staffing, the expansion of the University of Delaware's core research facilities, and the creation of the Preventive Conservation specialty in WUDPAC.



Recent changes also include expansion of the student learning outcomes to help better define the skills necessary to successfully use scientific research and analysis in their careers.

It will be interesting to see the future research interests of emerging conservators but we feel we have designed this course to benefit not only the personal goals of the students and their careers, but also to benefit the larger conservation community. In the future, we hope there will a succession of students who continue the materials research projects so that they can develop more deeply over the years.

	2002 - 2018	2018 - present
Student Learning Outcome (SLO)	Successful students will: • gain a working familiarity with a variety of instrumental techniques. • demonstrate proficiency in analysis of an object(s).	Successful students will: • gain a working familiarity with a variety of instrumental techniques. • be able to engage in meaningful conversations and projects with colleagues across disciplines in the humanities and sciences. • improve their scientific fluency. • be able to relate instrumental techniques with the phenomena on which they are based. • be able to identify suitable instrumental techniques to address specific questions in cultural heritage. • be able to interpret, explain, and report scientific results to diverse audiences. • be able to communicate research questions and ideas to conservation scientists and other science professionals. • design an ethical scientific research proposal. • demonstrate knowledge to justify ethical sampling. • understand and use scientific literature.

Winterthur/University of Delaware
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Intended Audience: MS