

Re: 2021-2022 Annual Report (Longwood Senior Thesis Committee)

Date: 09 May 2022

Committee Members:

Andrew Yeagley (Chair)

Adam Blincoe (22)

Laura Jiminez (23)

Ronda Walker (22)

Wade Znosko (22)

Yueming Zou (23)

Maxwell Hennings (23)

Cristina Crego (23)

Ex-officio: Amorette Barber

On December 6<sup>th</sup> 2021, the members of the senior thesis committee met to evaluate two student research proposals. On MAY 3<sup>rd</sup> 2022, the members of the senior thesis committee met to evaluate five student research proposals. This brings our total active student theses to seven for the 2022/2023 academic year.

We are also happy to announce that every active student performing a thesis in the 2021/2022 academic year defended their projects successfully and were awarded honors at the 2022 Commencement.

We are excited to report that this was our first complete year as the Longwood Senior Thesis Program and the related made under this new structure. We have seen a small increase in the student and faculty interest in the program. Most notably, we have our first Art student that will attempt to complete a Senior Thesis and a total of six different disciplines represented in the 2022/2023 academic year.

**Awarded Honors in 2021-2022:**

With Honors in Chemistry, Marcia Reeves

*Evaluating the estrogenic activity and redox potential of gallate esters with varying lipophilicity*

Andrew Yeagley, Director

With Honors in Chemistry, Kaleigh Beale

*Fluoride Detection and Removal in Drinking Water*

Sarah Porter, Director

With Honors in Biology, Brianna Cervantes

*Do gallate esters alter T cell immunity?*

Amorette Barber, Director

With Honors in Biology, Stephanie Willis

*What characteristics of chimeric antigen receptor T cells induce the strongest and safest anti-cancer responses?*

Amorette Barber, Director

With Honors in Biology, Cecily Hayek

*The Effects of Impaired Water on Zebrafish Muscle Development and Startle Responses*

Wade Znosko, Director

**Proposals reviewed in F2021:**

Honors project in Psychology, Joshua Bain

Eric Laws, Director

Honors project in Chemistry, Tinsae Alem

Dr. Benjamin Topham, Director

**Proposals reviewed in S2022:**

Honors project in Biology, Cassandra Poole

Amorette Barber, Director

Honors project in Art, Stephon Slater

Kerri Cushman, Director

Honors project in Psychology, Eli Caldwell

Jim Ritzert, Director

Honors Project in Kinesiology, Catherine Forst

Laura Jimenez, Director

Honors Project in Philosophy, Leah Richardson

Charles Repp, Director