Objective:

- Create a recipe and brew the beer
- Survey beer preferences
- Develop a business plan
- Market the beer with a name and label



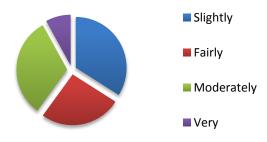
Final Result:



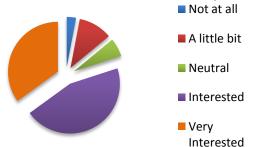
- A recipe for a honey orange blonde ale was developed and called 'Bond on Blonde'
- Four different five gallon batches were brewed
- A cost analysis, Hysys schematic, and label were developed

Survey Results

Preference of Bitterness



Interest in Sweet/Citrusy Ale



IPRO321 Group Members:

Remi Adejinle **Richard Byrne Moshe Calm** Heonki Cho Joe Farkas **Ryan Heneghan** Samantha Hoskinson **Robert Jackson** [†]Joshua James Peter Johnson *Omaditya Khanna *Daniel Kim *Emily Kunkel **India Lucas Logan Manlove Thomas Mathews** Hazel Michael Liam O'Rourke *Olakunle Popoola **Nicole Reigle Kevin Richardson Mallory Rollins** Carl Schleich *Nicholas Shattuck Say Yeong Siah **Ton Trieu**

[†] Denotes team leader

* Denotes subgroup leader

* Denotes technical expert

Acknowledgment

We would like to thank our IPRO adviser Vijay Ramani for all of his knowledge and guidance.

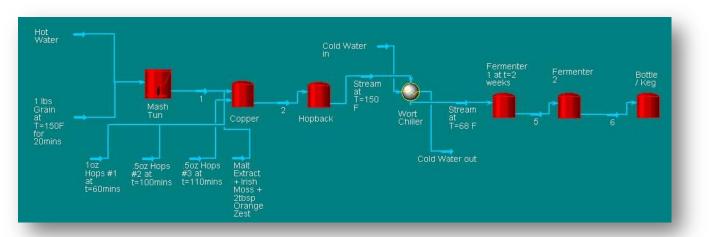
IPRO
It takes a team!
INTERPROFESSIONAL PROJECTS PROGRAM

IPRO321 Funky Brewsters

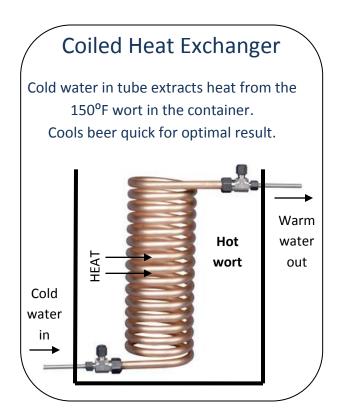
Engineering at its Tastiest

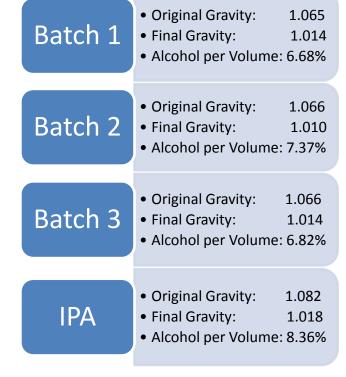


Production Schematic



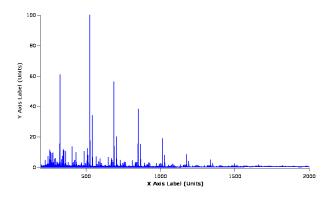
Beer Specifications







Sugar Profile Using Mass Spec



Beer was analyzed over course of fermentation.

Sugar profile revealed the sugars that decreased and increased over the fermentation period.

Dextrose was one of the main sugars used in fermentation by the yeast.

The beer showed higher levels of potassium then other beers.