

MSTAT - BIOSTATISTICS Faculty/Student Worksheet

Name: _____ **uNID:** _____

Semester/Yr Matriculated: _____ **Graduating Semester:** _____

Prerequisites (if applicable)

| Course | Course that meets requirement | When Taken |
|-----------------------------------|-------------------------------|------------|
| 2 Undergrad Biology | | |
| 2 Undergrad Calculus | | |
| Evidence of Multivariate Calculus | | |
| Programming Language | | |
| 2 Undergrad Statistics | | |
| Matrix Algebra | | |

Coursework (Credit hours must total 38):

| Course # | Course Title | Credit Hours | Prerequisite | Semester Offered | When Taken | Grade |
|--------------------------------|---|--------------|--|-------------------------|------------|-------|
| PBHLT 6107 | Survival Analysis | 3 | PBHLT 6300, Math 5080-5090, Math 2270, Math 1210-1220 (concurrent enrollment or instructor permission) | Fall '18 | | |
| PBHLT 6106 | Categorical Data Analysis | 3 | Same as above | Fall '19 | | |
| PBHLT 6300 | Epidemiology | 3 | None | Spring and Fall | | |
| PBHLT 6307 | Biostatistics Seminar I (must be taken 1 st year) | 1 | Instructor Permission | Spring | | |
| PBHLT 6308 | Biostatistics Seminar II (must be taken 2 nd year) | 1 | Instructor Permission | Spring | | |
| Math 5010 | Introduction to Probability | 3 | Math 2210 or 1260 | Spring and Fall | | |
| Math 5080 | Statistical Inference I | 3 | Math 5010 | Spring and Fall | | |
| Math 5090 | Statistical Inference II | 3 | Math 5080 | Spring and Fall | | |
| Stat 6869 | Advanced Methods in Statistics (capstone) | 3 | Completion of all other coursework | Spring | | |
| Stat 6969 or Stat 6003 | Special Topics in Statistics | 3 | Varies | Spring and Fall | | |
| PBHLT 6970 | Statistical Investigation and Reporting (project) | 3 | Instructor Permission, MStat in Biostatistics students only | Spring, Summer and Fall | | |
| PBHLT 6971 | Biostatistics Practicum | 1 | Instructor Permission, MStat in Biostatistics students only | Spring, Summer and Fall | | |
| Total Core Credit Hours | | 30 | | | | |

Additional Required Courses (must total 6 credits; B- or better in each course):

Option 1

| | | | | | | |
|------------------|---------------------|---|--------------------------------|--------|--|--|
| Math 6010 | Linear Models | 3 | Math 5010, 5080, 5090 and 2270 | Fall | | |
| Math 6020 | Multivariate Models | 3 | Math 6010 | Spring | | |

Option 2

| | | | | | | |
|--|---------------------------------------|----------|-----------------------|--------|--|--|
| PBHLT 7120 | Linear and Logistic Regression Models | 3 | Instructor permission | Fall | | |
| PBHLT 7130 | Longitudinal Data Analysis | 3 | Instructor permission | Spring | | |
| Additional Required Course credit hours | | 6 | | | | |

Electives (must total at least 2 semester hours; B- or better in each course)

| | | | | | |
|------------------------------|------------------------------|----------|--|--|--|
| Elective | Elective approved by advisor | 2 | | | |
| | | | | | |
| Elective Credit Hours | | 2 | | | |

| | |
|---------------------------|-----------|
| Total credit hours | 38 |
|---------------------------|-----------|

Practicum and Project Details

| | |
|---|------------------|
| Practicum: | |
| Prior to starting: Submit form outlining objectives, signed and approved by advisor and mentor | Submitted: _____ |
| At conclusion: Submit complete sets of forms and five page paper | Submitted: _____ |
| Project: | |
| Submit <i>Request for Supervisory Committee</i> to the Academic Advisor | Submitted: _____ |
| Submit project proposal to supervisory committee | Submitted: _____ |
| Obtain IRB approval (All students must file an application.) | Approved: _____ |
| Hold a pre-oral with supervisory committee | Date: _____ |
| Hold an oral with supervisory committee | Date: _____ |
| Submit the <i>Report of the Final Examination with appropriate signatures</i> to the Academic Advisor | Submitted: _____ |
| During the semester prior to graduation: | |
| Complete graduation application and candidacy from before the designated deadlines | Submitted: _____ |

For more detailed instructions on the practicum and project, please refer to our website: <http://medicine.utah.edu/dfpm/public-health/programs/mstat-biostatistics/>