the last day. write a summary of the fifteen attended seminars and turn it into the instructor by
seminars from the participating MBSP centers and departments. Each student will
be required to obtain meaningful results.

MBSP 562. Molec Biosci Lab Rotation II. 1 Credit. (1 Lab; 1 cr max) F,S
Each Molecular Biosciences Program graduate student will complete
three laboratory rotations during their first year of graduate study. Each
Laboratory Rotation provides students with a six-week period of active research
expermentation time. Each Laboratory Rotation is a mini-research project and
is designed to allow the student to explore a potential avenue of research for
their thesis/dissertation research project in Years 2 and beyond. Students should
become familiar with the relevant literature, concepts, methods, reagents, and
instruments that will be needed to conduct their experiments and achieve the goals
of their research projects. Extensive bench research time will be required to obtain
meaningful results.

MBSP 563. Molec Biosci Lab Rotation III. 1 Credit. (1 Lab; 1 cr max) F,S
Each Molecular Biosciences Program graduate student will complete
three laboratory rotations during their first year of graduate study. Each
Laboratory Rotation is a mini-research project and is designed to allow the student to explore a
potential avenue of research for their thesis/dissertation research project in Years 2 and beyond. Students should
become familiar with the relevant literature, concepts, methods, reagents, and
instruments that will be needed to conduct their experiments and achieve the goals
of their research project. Extensive bench research time will be required to obtain
meaningful results.

MBSP 564. Molec Biosci Lab Rotation IV. 1 Credit. (1 Lab; 1 cr max) F,S
Each Molecular Biosciences Program graduate student will complete
three laboratory rotations during their first year of graduate study. Each Laboratory Rotation is a mini-research project and is designed to allow the student to explore a
potential avenue of research for their thesis/dissertation research project in Years 2 and beyond. Students should become familiar with the relevant literature, concepts, methods, reagents, and instruments that will be needed to conduct their experiments and achieve the goals of their research project. Extensive bench research time will be required to obtain meaningful results.

MBSP 565. Mol BioSci Prgm Rsch Project. 1 Credit. (1 Lab) F,S
1 cr. LAB 1 This course will fulfill the research requirement of the first year
Molecular Biosciences Program (MBSP) doctoral fellows. The fellow (students)
will work on a research project under the direction of their advisor.

MBSP 579. Programming for Life Scientist. 3 Credits. (2 Lec, 1 Lab) S
PREREQUISITE: Permission from the Molecular Biosciences Program. The purpose of this course is to provide students with all the knowledge needed to
design and write (or program) data analysis toolkits on their computer.
Programming is needed to process vast amount of information by filtering,
correlating, aggregating it, tremendously speeding up analyses. Graduate Studies
Department.

MBSP 591. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
PREREQUISITE: Upper division courses and others as determined for each
offering. This course focuses on the impact of basic science on medicine and
medical practice. Basic science, clinical research, and investigative medicine will
be integrated across five major topics: inflammation, vascular disease, obesity,
cancer, and therapeutics.

MBSP 594. Molecular Bio Prgm Sem. 1 Credit. (1 Sem) F,S
This course will fulfill the seminar requirement of the first year Molecular
Biosciences Program (MBSP) doctoral fellows. The fellows (students) will attend
three seminars sponsored by the MBSP focused on molecular biosciences research.
Students will also attend twelve additional departmental or research center-based
seminars from the participating MBSP centers and departments. Each student will
write a summary of the fifteen attended seminars and turn it into the instructor by
the last day.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.