

|  |              |   |                          |  |              |       |                         |
|--|--------------|---|--------------------------|--|--------------|-------|-------------------------|
| <div> <div>JOHNS HOPKINS</div> <div>U N I V E R S I T Y</div> </div> |              | <div> <div>Bloomberg School of Public Health</div> <div>Baltimore, Maryland 21205</div> <div>www.jhsph.edu</div> </div> |                          |  |              |       |                         |
| Student Name<br>Muschelli, John                                      |              | Student ID<br>AF75B1  | Date of Birth<br>2/11/xx | JHU Degree and Date Conferred:<br>SCM 05/27/2010 |              |       | Date Printed:10/26/2015 |
| Currently Pursuing, Start Date:<br>PHD, 9/4/2012                     |              | Current Department:<br>Biostatistics  |                          |  |              |       | Page 1 of 3             |
| COURSE NUMBER  | COURSE TITLE | GRADE   | CREDITS                  | COURSE NUMBER                                    | COURSE TITLE | GRADE | CREDITS                 |

|                            |                              |                |                  |                            |                             |                |                  |
|----------------------------|------------------------------|----------------|------------------|----------------------------|-----------------------------|----------------|------------------|
| <b>2008-09 First Term</b>  | <b>SCM: Biostatistics</b>    |                |                  | <b>2008-09 Fourth Term</b> | <b>SCM: Biostatistics</b>   |                |                  |
| PH.140.646                 | Essntls Of Prob And Stat I   | A              | 4.00             | PH.140.632                 | Intro Sas Stat Pack         | A              | 3.00             |
| PH.140.651                 | Mthds Biostatistics I        | A              | 4.00             | PH.140.649                 | Essentials Prob/Stat Inf IV | B              | 4.00             |
| PH.140.776                 | Statistical Computing        | A              | 3.00             | PH.140.654                 | Mthds Biostatistics IV      | A              | 4.00             |
| PH.260.600                 | Intro Biomedical Scien       | P              | 4.00             | PH.140.688                 | Bioinformatics Computat     | B              | 3.00             |
| PH.340.601                 | Principles Epidemiology      | A              | 5.00             | PH.223.867                 | Vaccine Seminar             | P              | 1.00             |
| PH.550.860                 | Research Ethics              | P              | 1.00             | PH.260.822                 | Seminars In MMI             | P              | 1.00             |
| PH.550.865                 | PH Persp On Res I            | A              | 1.00             |                            | GPA CRS: 14.00              | TERM GPA: 3.50 | TOTAL CRS: 16.00 |
|                            | GPA CRS: 17.00               | TERM GPA: 4.00 | TOTAL CRS: 22.00 |                            |                             |                |                  |
| <b>2008-09 Second Term</b> | <b>SCM: Biostatistics</b>    |                |                  | <b>2009-10 First Term</b>  | <b>SCM: Biostatistics</b>   |                |                  |
| PH.140.647                 | Essentls Prob/Stat Inf II    | A              | 4.00             | AS.110.405                 | Intro to Real Analysis      | A              | 3.00             |
| PH.140.652                 | Mthds. Biostatistics II      | A              | 4.00             | PH.140.642                 | Design Clinical Experime    | A              | 3.00             |
| PH.223.662                 | Vaccine Develop.& Applic     | B              | 3.00             | PH.140.820                 | Biostat Thesis Research     | P              | 10.00            |
| PH.223.867                 | Vaccine Seminar              | P              | 1.00             |                            | GPA CRS: 6.00               | TERM GPA: 4.00 | TOTAL CRS: 16.00 |
| PH.340.761                 | Applied Epidemiology I       | A              | 4.00             | <b>2009-10 Second Term</b> | <b>SCM: Biostatistics</b>   |                |                  |
| PH.550.866                 | PH Persp on Research II      | A              | 1.00             | AS.110.405                 | Intro to Real Analysis      | A              | 3.00             |
|                            | GPA CRS: 16.00               | TERM GPA: 3.81 | TOTAL CRS: 17.00 | PH.140.820                 | Biostat Thesis Research     | P              | 13.00            |
|                            |                              |                |                  |                            | GPA CRS: 3.00               | TERM GPA: 4.00 | TOTAL CRS: 16.00 |
| <b>2008-09 Third Term</b>  | <b>SCM: Biostatistics</b>    |                |                  | <b>2009-10 Third Term</b>  | <b>SCM: Biostatistics</b>   |                |                  |
| PH.140.641                 | Survival Analysis            | A              | 3.00             | PH.140.820                 | Biostat Thesis Research     | P              | 16.00            |
| PH.140.648                 | Essentials Of Probabilit III | B              | 4.00             |                            | GPA CRS: 0.00               | TERM GPA: 0.00 | TOTAL CRS: 16.00 |
| PH.140.653                 | Mthds Biostatistics III      | A              | 4.00             | <b>2009-10 Fourth Term</b> | <b>SCM: Biostatistics</b>   |                |                  |
| PH.223.867                 | Vaccine Seminar              | P              | 1.00             | PH.140.820                 | Biostat Thesis Research     | P              | 16.00            |
| PH.260.822                 | Seminars In MMI              | P              | 1.00             |                            | GPA CRS: 0.00               | TERM GPA: 0.00 | TOTAL CRS: 16.00 |
| PH.340.762                 | Applied Epidemiology 2       | A              | 3.00             |                            |                             |                |                  |
|                            | GPA CRS: 14.00               | TERM GPA: 3.71 | TOTAL CRS: 16.00 | <b>2010-11 First Term</b>  | <b>SS-LTD</b>               |                |                  |
|                            |                              |                |                  | PH.140.751                 | Adv Methods Biostats I      | A              | 3.00             |
|                            |                              |                |                  |                            | GPA CRS: 3.00               | TERM GPA: 4.00 | TOTAL CRS: 3.00  |

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| <b>JOHNS HOPKINS</b><br>U N I V E R S I T Y      |                     | <b>Bloomberg School of Public Health</b><br><b>Baltimore, Maryland 21205</b><br><b>www.jhsph.edu</b> |                          |  |                     |              |                         |
| Student Name<br>Muschelli, John                  |                     | Student ID<br>AF75B1   | Date of Birth<br>2/11/xx | JHU Degree and Date Conferred:<br>SCM 05/27/2010 |                     |              | Date Printed:10/26/2015 |
| Currently Pursuing, Start Date:<br>PHD, 9/4/2012 |                     | Current Department:<br>Biostatistics   |                          |  |                     |              | Page 2 of 3             |
| <b>COURSE NUMBER</b>                             | <b>COURSE TITLE</b> | <b>GRADE</b>   | <b>CREDITS</b>           | <b>COURSE NUMBER</b>                             | <b>COURSE TITLE</b> | <b>GRADE</b> | <b>CREDITS</b>          |

|                            |                                   |   |                  |                            |                                     |                           |                  |
|----------------------------|-----------------------------------|---|------------------|----------------------------|-------------------------------------|---------------------------|------------------|
| <b>2010-11 Second Term</b> |                                   |   |                  | <b>2012-13 Fourth Term</b> |                                     |                           |                  |
| <b>SS-LTD</b>              |                                   |   |                  | <b>PHD: Biostatistics</b>  |                                     |                           |                  |
| PH.140.752                 | Adv Methods Biostats II           | A | 3.00             | EN.550.621                 | Probability Theory II               | B                         | 3.00             |
|                            | GPA CRS: 3.00      TERM GPA: 4.00 |   | TOTAL CRS: 3.00  | PH.140.674                 | Intro Stat Theory II                | B                         | 4.00             |
|                            |                                   |   |                  | PH.140.754                 | Adv Meth Biostatistics IV           | AU                        | 0.00             |
|                            |                                   |   |                  | PH.140.820                 | Biostat Thesis Research             | P                         | 4.00             |
|                            |                                   |   |                  | PH.140.850                 | Adv Spc Topics Bstat                | P                         | 2.00             |
|                            |                                   |   |                  |                            | GPA CRS: 7.00      TERM GPA: 3.00   |                           | TOTAL CRS: 13.00 |
| <b>2010-11 Third Term</b>  |                                   |   |                  |                            |                                     |                           |                  |
| <b>SS-LTD</b>              |                                   |   |                  | <b>2013-14 First Term</b>  |                                     | <b>PHD: Biostatistics</b> |                  |
| PH.140.753                 | Adv Methods Biostats III          | A | 3.00             | PH.140.755                 | Adv Methods In Biostatistics V      | A                         | 4.00             |
|                            | GPA CRS: 3.00      TERM GPA: 4.00 |   | TOTAL CRS: 3.00  | PH.140.771                 | Advanced Stat Theory I              | A                         | 4.00             |
|                            |                                   |   |                  | PH.140.820                 | Biostat Thesis Research             | P                         | 8.00             |
|                            |                                   |   |                  | PH.550.860                 | Academic & Research Ethics At JHSPH | P                         | 0.00             |
|                            |                                   |   |                  |                            | GPA CRS: 8.00      TERM GPA: 4.00   |                           | TOTAL CRS: 16.00 |
| <b>2010-11 Fourth Term</b> |                                   |   |                  |                            |                                     |                           |                  |
| <b>SS-LTD</b>              |                                   |   |                  | <b>2013-14 Second Term</b> |                                     | <b>PHD: Biostatistics</b> |                  |
| PH.140.754                 | Adv Meth Biostatistics IV         | B | 3.00             | PH.140.756                 | Adv Methods In Biostat VI           | A                         | 4.00             |
|                            | GPA CRS: 3.00      TERM GPA: 3.00 |   | TOTAL CRS: 3.00  | PH.140.772                 | Advanced Stat Theory II             | A                         | 4.00             |
|                            |                                   |   |                  | PH.140.820                 | Biostat Thesis Research             | P                         | 6.00             |
|                            |                                   |   |                  | PH.330.802                 | Sem on Aging & Cognition            | P                         | 2.00             |
|                            |                                   |   |                  |                            | GPA CRS: 8.00      TERM GPA: 4.00   |                           | TOTAL CRS: 16.00 |
| <b>2012-13 First Term</b>  |                                   |   |                  |                            |                                     |                           |                  |
| <b>PHD: Biostatistics</b>  |                                   |   |                  | <b>2013-14 Third Term</b>  |                                     | <b>PHD: Biostatistics</b> |                  |
| EN.550.620                 | Probability Theory I              | B | 3.00             | PH.140.655                 | Analys Longitudinal Data            | A                         | 4.00             |
| PH.140.751                 | Adv Methods Biostats I            | A | 3.00             | PH.140.820                 | Biostat Thesis Research             | P                         | 10.00            |
| PH.140.820                 | Biostat Thesis Research           | P | 9.00             | PH.330.802                 | Sem on Aging & Cognition            | P                         | 2.00             |
| PH.550.600                 | Responsible Conduct of Research   | P | 1.00             |                            | GPA CRS: 4.00      TERM GPA: 4.00   |                           | TOTAL CRS: 16.00 |
|                            | GPA CRS: 6.00      TERM GPA: 3.50 |   | TOTAL CRS: 16.00 |                            |                                     |                           |                  |
| <b>2012-13 Second Term</b> |                                   |   |                  |                            |                                     |                           |                  |
| <b>PHD: Biostatistics</b>  |                                   |   |                  | <b>2013-14 Fourth Term</b> |                                     | <b>PHD: Biostatistics</b> |                  |
| EN.550.620                 | Probability Theory I              | B | 3.00             | PH.140.820                 | Biostat Thesis Research             | P                         | 13.00            |
| PH.140.630                 | Intro Data Mgnt                   | A | 3.00             | PH.340.616                 | Epidemiology Of Aging               | P                         | 3.00             |
| PH.140.752                 | Adv Methods Biostats II           | P | 3.00             |                            | GPA CRS: 0.00      TERM GPA: 0.00   |                           | TOTAL CRS: 16.00 |
| PH.140.840                 | SS/R: Biostatistics               | P | 7.00             |                            |                                     |                           |                  |
|                            | GPA CRS: 6.00      TERM GPA: 3.50 |   | TOTAL CRS: 16.00 |                            |                                     |                           |                  |
| <b>2012-13 Third Term</b>  |                                   |   |                  |                            |                                     |                           |                  |
| <b>PHD: Biostatistics</b>  |                                   |   |                  |                            |                                     |                           |                  |
| EN.550.621                 | Probability Theory II             | B | 3.00             |                            |                                     |                           |                  |
| PH.140.673                 | Intro Stat Theory I               | B | 4.00             |                            |                                     |                           |                  |
| PH.140.753                 | Adv Methods Biostats III          | P | 3.00             |                            |                                     |                           |                  |
| PH.140.820                 | Biostat Thesis Research           | P | 6.00             |                            |                                     |                           |                  |
|                            | GPA CRS: 7.00      TERM GPA: 3.00 |   | TOTAL CRS: 16.00 |                            |                                     |                           |                  |

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|--|--------------|---|--------------------------|--|---------------|--------------|-------------------------|-------|---------|
| JOHNS HOPKINS<br>UNIVERSITY                      |              | Bloomberg School of Public Health<br>Baltimore, Maryland 21205<br>www.jhsph.edu |                          |  |               |              |                         |       |         |
| Student Name<br>Muschelli, John                  |              | Student ID<br>AF75B1  | Date of Birth<br>2/11/xx | JHU Degree and Date Conferred:<br>SCM 05/27/2010 |               |              | Date Printed:10/26/2015 |       |         |
| Currently Pursuing, Start Date:<br>PHD, 9/4/2012 |              | Current Department:<br>Biostatistics  |                          |  |               |              | Page 3 of 3             |       |         |
| COURSE NUMBER                                    | COURSE TITLE |   | GRADE                    | CREDITS  | COURSE NUMBER | COURSE TITLE |                         | GRADE | CREDITS |

|                            |                                   |   |  |                  |  |
|----------------------------|-----------------------------------|---|--|------------------|--|
| <b>2014-15 First Term</b>  | <b>PHD: Biostatistics</b>         |   |  |                  | Passed Departmental Comprehensive Exam, 06/16/2009 |
| PH.140.820                 | Biostat Thesis Research           | P |  | 13.00            | Degree Requirements Completed for SCM, 05/17/2010  |
| PH.309.605                 | Hth Issues Aging Popul            | A |  | 3.00             | SCM Degree Awarded, 05/27/2010                     |
|                            | GPA CRS: 3.00      TERM GPA: 4.00 |   |  | TOTAL CRS: 16.00 | Passed Departmental Comprehensive Exam, 06/18/2013 |
|                            |                                   |   |  |                  | Preliminary Oral Exam Passed 02/02/2015            |
|                            |                                   |   |  |                  | *****End Of Transcript*****                        |
| <b>2014-15 Second Term</b> | <b>PHD: Biostatistics</b>         |   |  |                  |  |
| PH.140.820                 | Biostat Thesis Research           | P |  | 16.00            |  |
|                            | GPA CRS: 0.00      TERM GPA: 0.00 |   |  | TOTAL CRS: 16.00 |  |
| <b>2014-15 Third Term</b>  | <b>PHD: Biostatistics</b>         |   |  |                  |  |
| PH.140.820                 | Biostat Thesis Research           | P |  | 13.00            |  |
| PH.260.665                 | Biological Basis Aging            | P |  | 3.00             |  |
|                            | GPA CRS: 0.00      TERM GPA: 0.00 |   |  | TOTAL CRS: 16.00 |  |
| <b>2014-15 Fourth Term</b> | <b>PHD: Biostatistics</b>         |   |  |                  |  |
| PH.140.820                 | Biostat Thesis Research           | P |  | 16.00            |  |
|                            | GPA CRS: 0.00      TERM GPA: 0.00 |   |  | TOTAL CRS: 16.00 |  |
| <b>2015-16 First Term</b>  | <b>PHD: Biostatistics</b>         |   |  |                  |  |
| PH.140.820                 | Biostat Thesis Research           | X |  | 0.00             |  |
|                            | GPA CRS: 0.00      TERM GPA: 0.00 |   |  | TOTAL CRS: 0.00  |  |
| <b>2015-16 Second Term</b> | <b>PHD: Biostatistics</b>         |   |  |                  |  |
| PH.140.820                 | Biostat Thesis Research           | X |  | 0.00             |  |
|                            | GPA CRS: 0.00      TERM GPA: 0.00 |   |  | TOTAL CRS: 0.00  |  |

Advisor History

SCM: Tonascia, James A 8/13/2008 - 8/26/2009 (Advisor)  
SCM: Caffo, Brian S 8/27/2009 - 5/21/2010 - (Primary Advisor)  
PHD: Crainiceanu, Ciprian M 8/6/2012 - (Primary Advisor)  
PHD: Crainiceanu, Ciprian M 9/2/2014 (Dissertation Advisor)

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