PSYCHOLOGY 711:
QUANTITATIVE ISSUES IN THE USE OF RESPONSE TIME
AS A MEASURE OF PSYCHOLOGICAL PROCESSES
January 9, 2015

Instructors
Bruce Milliken (millike@mcmaster.ca)  Scott Watter (watter@mcmaster.ca)
Room 414 – x24361  Room 408 – x22853

When and Where
Tuesday January 13  2:30-5:20  Room 316 – Orientation/Planning (Week 0)
Tuesday January 20  2:30-5:20  Room 204 – Week1
Tuesday January 27  2:30-5:20  Room 204 – Week2
Tuesday February 3  2:30-5:20  Room 204 – Week3
Tuesday February 10  2:30-5:20  Room 204 – Week4
Tuesday February 24  2:30-5:20  Room 204 – Week5
Tuesday March 3  2:30-5:20  Room 204 – Week6

Course Objectives
The primary objective of the course will be to introduce students to analytical issues associated with
the use of response time as a dependent measure in psychological experiments. Each of a series of six
selected topics will be covered, one per week for six weeks. For each of the topics there will be a set
of required readings, as well as an assignment that in some cases will require hands-on work with a set
of data. Each student in the course will be asked to lead the discussion of one of the assigned readings
during Weeks 1 to 5. If not leading the discussion, students will be required to complete the weekly
assignment. In Week 6, all students will prepare a short presentation on a contemporary topic related
to those covered in the course.

Assessment

| Weekly Assignments | 60% |
| Oral Presentation  | 40% |
| **Total**          | **100%** |

Each student will complete 4 of the 5 weekly assignments during the Week 1-5 period. All students
will complete the assignment in Week 6 (short presentation of a contemporary topic). Each of these
five assignments will contribute 12% toward the final grade. The oral presentation in which a
student leads to discussion of a reading will contribute 40% toward the final grade.
Assigning of Grades
Initially, all assignments and presentations will be given numerical grades. Final letter grades will be assigned based on the table below.

<table>
<thead>
<tr>
<th>Numerical Grade</th>
<th>Letter Grade</th>
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</thead>
<tbody>
<tr>
<td>90 – 100</td>
<td>A+</td>
</tr>
<tr>
<td>85 – 89</td>
<td>A</td>
</tr>
<tr>
<td>80 – 84</td>
<td>A-</td>
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<tr>
<td>77 – 79</td>
<td>B+</td>
</tr>
<tr>
<td>73 – 76</td>
<td>B</td>
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<tr>
<td>70 – 72</td>
<td>B-</td>
</tr>
<tr>
<td>0 – 69</td>
<td>F</td>
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</tbody>
</table>

TENTATIVE SCHEDULE OF TOPICS AND READINGS

Week 0 (January 13) – Introduction, Organization/Planning for course
(no assigned readings)

Week 1 (January 20) – History (2)


Week 2 (January 27) – Speed/Accuracy (2)


Week 3 (February 3) – Treatment of Outliers (2)


**Week 4 (Feb 10) – Distributional Issues (2)**


**Mid-Semester Break (Feb 16-21)**

**Week 5 (February 24) – Cascaded Processing (2)**


**Week 6 (March 3) – Contemporary Issues**

The readings for this week will be compiled by both students and instructors over the course of the term. If you know of a relevant article please forward to the instructors.

**Note 1:** The penalty for assignments submitted after the due date is 10% per day late. Application of this penalty is at the discretion of the instructor.

**Note 2:** The instructor and university reserve the right to modify elements of the course during the term. The instructor and university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course website weekly during the term and to note any changes.

**Note 3:** Attention is drawn to the Statement on Academic Ethics and the Senate Resolutions on Academic Dishonesty as found in the Senate Policy Statements distributed at registration and available in the Senate Office. Any student who infringes one of these resolutions will be treated according to the published policy.