The School of Psychology
University of St Andrews

PS 3033
Developmental Psychology

Student Module Booklet
Please note that slides will be available in advance of the lecture; these materials may be revised and reposted to reflect content from in-class activities and discussion.

Taking good notes from both reading and lecture is a skill that you can develop and refine, and which will serve you well during the tenure of your time at St. Andrews. A few recommendations from someone who has been there:

Avoid copying verbatim (either from the lecture or the book). Try to actively digest the material and find ways to explain the ideas and concepts in your own words. This will greatly increase the chance that you remember new content, and it will aid in your ability to integrate this new knowledge with what you already know.

Here is what students can expect from me:

I will treat you with the respect due all human beings. I will not discriminate against you because of your identity or your well-informed viewpoints. I will manage the class in a professional manner; that may include educating you in appropriate and professional behaviour. I will prepare carefully for every class, and I will begin and end class on time. I will make myself available to you for advising, and I am willing to work with you and the University Disability Team as needed. Please note that I endeavour to respond to emails within 24 hours during the regular week and 48 hours during the weekend. I will maintain confidentiality concerning your performance. Your mark will reflect the quality of your work and nothing else. I am interested in your feedback about the class, and above all I am most interested in what you learned.

Like learning, teaching requires a tremendous amount of time and energy. I do not expect everyone to become a research psychologist, but what I do expect is for you to do your reading, participate in class discussion, and show up for class. This class is meant to make you think critically and to challenge how you interpret knowledge that you generate and that people share with you. It is also an opportunity to explore your own ideas and beliefs about human behaviour and how we study it. Ultimately, this class is not about memorization—it is an application course.
The following schedule details the topics and corresponding readings we will cover each week. Readings under the Lecture and Practicum headings are compulsory. It is highly encouraged that you read these materials in advance of the lecture and lab. The materials under Additional Resources are optional but highly recommended—they supplement the required course readings, often in further depth than we have time for in class, and may be of particular interest to those of you considering psychology as a career. Finally, you should note that the lecture and lab will introduce material not covered in the readings; by not attending class, you risk missing this content along with instructions, information, and guidelines about assignments. Your attendance in both sessions is therefore crucial to your success in the module.

The lecture and corresponding lab are times to review content but also to practice the skillsets included in your assessment for the course. Historically, I have found that students who regularly attend class score several points higher than their peers who do not.

Week 1: Introduction & Theoretical Debates

How has the view of the infant changed over historical time? Is human development a legitimate topic of scientific inquiry? This week, we discuss perennial theoretical tensions in the study of infant and child research. We also discuss the challenges of empirically studying pre-verbal infants and young children.

Lecture
• Keil Chapter 1 (pp. 3-31)
• Keil Chapter 3 (pp. 56-70 only)
• Keil Chapter 5 (pp. 147-166 only)

Lab:

Additional resources:

INTRODUCTION
‘The baby, assailed by eye, ear, nose, skin and entrails at once, feels it all as one great blooming, buzzing confusion’—James. 1890. I. 488

How do we come to parse the ‘blooming buzzing confusion’ of our physical and social environments into meaningful representations? This course examines current experimental research and theoretical debates regarding the development of children from infancy to pre-adolescence, with a particular emphasis on the emergence of social cognition. Topics include perception, physical knowledge, language acquisition, memory, categorization, moral reasoning, theory of mind, and the role of culture in human development. A central focus of the course is how scientific theory can inform our understanding of these capacities as they emerge in the first years of life, and how this knowledge enhances what we understand about psychology more broadly.

Instructor Information
Dr Erin Robbins (er70)
Room 1.21
Office Hours: Wednesday 2-4p and by appointment

Required Reading


• All journal articles available online and via our Moodle page (see Course Topics & Readings at end of booklet for details)
Highly Recommended Text


This is an excellent resource for anyone who wants practice understanding and writing empirical research reports. The book contains several articles on a variety of developmental topics, all accompanied by commentary designed to help students understand the study rationale, design strategy, assessment measures and key variables, statistical analyses, and interpretation of results. A variety of methodologies are represented, with a diverse sample of infant, child, and adolescent studies. BEST OF ALL, IT IS AVAILABLE AT THE ST ANDREWS LIBRARY AS AN E-BOOK.

Course Objectives:

You will learn about the development of human cognition; how to design and analyse empirical studies to answer outstanding questions in developmental psychology; and how to communicate material succinctly in written and oral form.

Upon completion of this module, students should be able to achieve the following objectives:

- Characterize and differentiate between major theories of human cognitive development
- Describe the impact of culture and environment on cognitive development
- Explain how experimental methods can be used to test theoretically driven hypotheses regarding behaviour in young and pre-verbal populations
- Interpret scientific data generated from a study
- Evaluate research findings, evaluate their rigor, and pose the next set of research questions
- Demonstrate comprehension of APA style, and apply it a written research proposal

Schedule of Topics and Timetable

Specific details about readings & assignments detailed at end of booklet

<table>
<thead>
<tr>
<th>WEEK</th>
<th>Lectures 9am-11am Thursdays, UCO: School 3, North Street</th>
<th>Lab 2:30-4pm (A-L), 4-5:30pm (M-Z) Seminar Rm, Psychology &amp; Neuroscience</th>
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<tbody>
<tr>
<td>1</td>
<td>Neurobiological development &amp; Theories of Development</td>
<td>Lab 1 Designing experiments in developmental psychology (emphasis on methods appropriate for very young infants)</td>
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<tr>
<td>27/01/17</td>
<td>Core Knowledge &amp; Action Perception</td>
<td>Lab 2 Action experience and object exploration (habituation and reaching paradigms)</td>
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<td>2</td>
<td>Cognitive Development</td>
<td>Lab 3 Face perception (using a looking paradigm, we will assess how evidence supports different theoretical accounts)</td>
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<td>09/02/17</td>
<td>Theory of Mind</td>
<td>Lab 4 Self-consciousness (coding behavioural data. We will discuss how to extract data from rich but messy behavioural input)</td>
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<td>4</td>
<td>16/02/17</td>
<td>Lab 5 Distributive justice (how does the child’s role in a study change the outcome?)</td>
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<td>5</td>
<td>Prosocial Behavior &amp; Moral Reasoning</td>
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<tr>
<td>23/02/17</td>
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CONTINUOUS ASSESSMENT ASSIGNMENT

The grade for this class is based on a single piece of continuous assessment, a research proposal (1500 words) in which you explore a topic appropriate to developmental psychology. The exact research question is of your own choosing. You may opt to explore in depth a topic raised in lab/lecture, or you may elect to address a topic outside the immediate scope of the course, provided you can clearly demonstrate how it pertains to infant/child development. In either case, the proposal should describe a novel, critical approach to your topic. A proposal that boils down to a replication and mild extension of an extant study will simply not cut it.

Assignment Guideline: Research proposal (provisional deadline, Monday March 6th at 5pm).
Detailed guidelines will be posted on moodle, but in brief your proposal will need to include the following elements:

- **Background**: This section should concisely summarise the literature and major findings that inform your research question. It is expected that you will incorporate at least one source outside those covered in class/lecture
- **Rationale and hypotheses**: Here you should specify what gaps, unanswered questions, or theoretical tensions necessitate your research. In other words, you are explaining what problem exists and why you wish to investigate it. You should then clearly state your hypotheses.
- **Methodology**: This section should detail how you will tackle your research question. Who are your participants, and why have you chosen this group? Paradigms, assessments, apparatuses, etc. should be clearly described. A reader should be able to understand why these methods are the best way to address your topic. It should also be clear to a reader how these measures will generate your data, and what your dependent/independent variables are. Finally, you should offer a plan for how you would analyse your data—what statistical test(s) would be most appropriate and why? What pattern of results would you expect to see, given your hypotheses?
- **Impact and implications**: The last section of your proposal should explain the importance of your findings. Would your findings be able to resolve a theoretical debate? Are their implications for education or health? Make a case for why your results would be meaningful.
- **Style (Including References and Clarity of Expression)**: Don’t forget to cite things in APA style, and be sure to write concisely and with scholarly tone

Feedback on this work will be provided on or before Monday, April 17th.

Assignment Formatting: The proposal should be presented as follows: a title page stating the title of the work, student’s matriculation number, the module number, the word count, and the date. There must be at least a 1” margin all round (top, bottom, right and left). Text must be in Arial or Times New Roman font at 12 point, 1.0 line spaced. The reference list does not count towards the word limit, nor do brief, appropriate labels for optional figures/diagrams.

Length Limitations (Word Count Restrictions)
**Word limit**: 1500 words (does not include reference list). Per School guidelines, an accurate word count must be noted on the front sheet for each piece of submitted work. Word Counts do not include the title, tables, figure legends, reference lists, or appendices (e.g., diagrams, example stimuli). All other words, including sub-headings (e.g. Methods, Results etc.) count towards the overall work length. Marks will be deducted if the word count is anything above the word limit and will be penalized with 1 point for any over-length up to 5%, then 1 further mark for every 5% over-
How to submit coursework: Coursework should be submitted electronically via MMS on or before the due date. If you experience difficulties with coursework submission contact me or someone in the main Psychology Office before the deadline—the inconveniences of the digital age (“computer ate my homework”) are not valid excuses for late or missing assignments.

Important note on plagiarism and Turnitin

Please note that all submissions are automatically checked for similarity to other essays or published works using the software Turnitin. Cutting and pasting of text from journals or internet resources (which Turnitin cleverly and thoroughly picks out and highlights) is not allowed. Turnitin also shows up any text duplicated between candidates’ submissions, including your own in different years!
Given the penalties for copying, including cutting and pasting, the lesson is simple and clear:

Always write in your own words!

Late Submissions:
Late submissions of coursework should be submitted via MMS. If you have good reasons you may ask for extension in advance of the deadline by using the Notification of Student Problems form. No extensions are permitted for assessments without University approval. In the event of an emergency or otherwise unforeseen complication, it is your responsibility to initiate this process via the online form, or through your Advisor of Studies, who can start this process on your behalf.
Marking and examination procedures follow a tight timetable that is set by the University. Although I am willing to accommodate late coursework when the student has a valid reason, assessment formalities must proceed according to University timetables, as specified below:
• Late submission prior to return of work to other students in course: 1 point (of 0-20 scale) deducted per day or part thereof. Note that every day will be considered as counting toward a late penalty; this rule will apply to holidays (public and University) and includes weekends, with Sunday and Saturday each counting as one day.
• Work submitted so late that corrected copies of the exercise have been returned to other students will be awarded a mark of zero
• All assessed written assignments must be submitted, even after the return of exercises to other students, by the end of the semester (4pm on the last Friday of the exam period) in which they were due. Failure to do so may lead to the automatic failure of the module.

Marking scheme
The document that follows outlines the provisional marking schemes used for the lab report—this may vary slightly depending how the term progresses. Further guidelines on the writing and marking of the proposal will be provided in Week 2.