BIOL3360 2023

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| **Week** | **Quant** | **Comms** | **Comm Activities** |
| 1 | Learn R | What does communication in science look like? (variety)  Basic principles – fill the G.A.P. | SCIE1000 booklet  Homework – identifying G.A.P.s |
| 2 | Learn R | Evaluating comms in code   * What does effective comms look like in code? * Code smells | Discuss homework  Provide some examples of extended code and ask students to identify GAP and evaluate how it can be better communicated.  Is there an activity we can do on code smells? |
| 3 | Learn R | ? Applying good comms to code |  |
| 4 | Design of experiments | Comms & the brain (theory) | Comms and the brain resources  + Intro to readability  + Intro to visual appeal |
| 5 | Linear models: Matrix algebra | Communicating data and graphics (GAP conventions) | When to present in a table  When to present in a graphic  Types of graphics  Formatting for purpose  Formatting for readability |
| 6 |  | Explaining your analysis in writing | Students read and dissect methods section of a LM paper  Provide framework/checklist for what makes a good methods section explanation  Homework - write your own |
| 7 |  | Describing your results in words | Discuss/critique homework  Analyse a results section of a paper  Compare with a draft of a results section of an honours thesis  Worksheet - Write the biological meaning of your results, not the data  Homework write and peer review results (do peer review on Bb during teaching free week) |
| Mid sem |  |  |  |
| 8 |  | Teach free week |  |
| 9 | Tues public holiday |  | Discuss homework  Recap skills in prep for practice exam |
| 10 | Mon public holiday | Communication Practical exam | Review last year’s exam and see how realistic the tasks are – adjust exam and/or learning to support this. |
| 11 |  |  |  |
| 12 |  |  |  |