## Psychology Honours: Research Thesis Assessment Report

Student name:	Angus Leung	
Project Title:	Integrated Information $\Phi$ in Flies is Reduced Under Anesthesia	
	Comments: This section is provided to the student. Use additional page if required.	
	Please note the weighting of marks for	each section
1. Abstract		5%
The thesis abst	ract was well-written and it succinctly described the contents of the thesis.	
2. Literature Re	view and Statement of Hypotheses	30%
topic at hand. To introduction to version of IIT in and well-argue Two minor poir (1) There continued (2) In the to short so distract	vas clearly and succinctly described, and showed a clear understanding of the This section was well structured, with a clear and logical flow from the the aims and hypotheses. The main research questions: using the newest the fly brain and using $\Phi^*$ as a practical alternative, were clearly described d as to why their answers should be pursued.  Into that could have improved this section: could have been short description of other animal models that have been used used with $\Phi$ .  Ext, there is a mention of the "Latest version of IIT", there could have been a tion for the different versions of IIT. Admittedly, this could have been a tion for the thesis but it could have been a table in an appendix.  The literature review, introduction and statement of hypotheses were a delight rly complicated, and heavily mathematical, theory for IIT was made palatable ers well done!	
2 Made - L D	annah Ammanah and Chudu Danimu	400/
	earch Approach and Study Design	10%
improve this fu LFP's downsam these were dec	tal and analysis methods were clearly described and easy to follow. To rther three (very) minor points could have been addressed: (1) Why were the pled to 1khz? (2) Why were the three lags chosen? It seems that both of ided upon due to computational demands. One last point, the units of time the figures (ms, s?).	

The results were well-structured and very well written. The logic of this section made the evaluation of the hypotheses easy to remember and easy to address. The figures were clear. A hallmark of an excellent a thesis/paper is that one could read the abstract, go straight to the figures and understand what the paper is generally about, this was achieved here, well done!  5. Discussion and Conclusion  The discussion and conclusion sections were very well written. These sections appropriately addressed the research questions and hypotheses, showing a clear and new result for the field. It would not take much more to turn the work in this thesis into a ournal publication.  One point "However, there is no literature demonstrating that frequency domain analyses and time analyses can be directly inked together at some time scale" Is a little unclear and/or not necessarily true as time and frequency are intimately related.	20%
The discussion and conclusion sections were very well written. These sections appropriately addressed the research questions and hypotheses, showing a clear and new result for the field. It would not take much more to turn the work in this thesis into a ournal publication.  One point "However, there is no literature demonstrating that frequency domain analyses and time analyses can be directly	20%
and hypotheses, showing a clear and new result for the field. It would not take much more to turn the work in this thesis into a ournal publication.  One point "However, there is no literature demonstrating that frequency domain analyses and time analyses can be directly	
calculating $\Phi$ up to 16ms is most likely equivalent to using a high-pass filter above 62Hz thus missing out on changes at low requencies. The results here are thus compatible with Cohen et al 2017, by showing that the lack of reduced feedback is not on his shorter time scale. The work could be extended to look at longer time scales.	
6. Critical Thinking/Synthesis	10%
7. Referencing	5%
lad minor errors (either journal name or publishing house was inconsistent, or some part	
Had minor errors (either journal name or publishing house was inconsistent, or some part missing). Other than that the list was extensive and well documented.  8. Presentation and Organisation	5%
missing). Other than that the list was extensive and well documented.	5%
8. Presentation and Organisation The presentation and organization was clear. Well done	5%
8. Presentation and Organisation The presentation and organization was clear. Well done	
8. Presentation and Organisation The presentation and organization was clear. Well done  9. Other Comments	0%
8. Presentation and Organisation The presentation and organization was clear. Well done  9. Other Comments  Total numerical mark	0% /100
8. Presentation and Organisation The presentation and organization was clear. Well done  9. Other Comments  Total numerical mark  FOR INFORMATION: Indicative scores for Monash grades	0% /100
### Solution   Solutio	0% /100