

SCHOOL OF ENGINEERING  
AND INFORMATION TECHNOLOGY**Memorandum of Understanding for the Project undertaken as part of  
ZEIT4500/4501/4901/4902 Engineering Project course at UNSW Canberra****Instructions**

1. The form should be completed by Final Year Student taking the courses.
2. By completing and submitting this form, the students must have reached a mutual agreement with his/her supervisor(s) for the all information submitted.

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**\* Compulsory information****\* <sup>1</sup> Name of student:**

Travis John McKee

**\* <sup>2</sup> UNSW Canberra email  
address of student:**

z5157307@ad.unsw.edu.au

**\* <sup>3</sup> Student's Program:**

Electrical ▼

**\* <sup>4</sup> Project Title:**

OpenLST UHF Radio Transceiver design for Cubesat applications

**\* <sup>5</sup> Name of main supervisor:**

Edwin Peters

**\* <sup>6</sup> UNSW Canberra email  
address of main supervisor:**

edwin.peters@adfa.edu.au

\* <sup>7</sup> Main supervisor will be on SSP or Long Service Leave in Semester 1 next year ☐ Yes ☒ No

\* <sup>8</sup> Main supervisor will be on SSP or Long Service Leave in Semester 2 next year ☐ Yes ☒ No

<sup>9</sup> Name of joint supervisor (if any):

Craig Benson

<sup>10</sup> UNSW Canberra email address of joint supervisor:

c.benson@adfa.edu.au

\* if joint supervisor

<sup>11</sup> Joint supervisor will be on SSP or Long Service Leave in Semester 1 next year

☐ Yes ☒ No

\* if joint supervisor

<sup>12</sup> Joint supervisor will be on SSP or Long Service Leave in Semester 2 next year

☐ Yes ☒ No

\* if joint supervisor

\* <sup>13</sup> Nature of Project:

Design ▼

\* <sup>14</sup> Project Area:

Space ▼

\* <sup>15</sup> The maximum achievable grade in this project:

HIGH DISTINCTION ▼

\* <sup>16</sup> Project Specific Deliverables

in addition to the assessment common to all students, at the required assessment time:

Interim Deliverables, to be finalised prior to the commencement of the project.

Aim of the project

- 1) study the OpenLST HW/SW design and propose improvements that enhance reliability, performance and specifications
- 2) Implement the identified enhancements if any to the design
- 3) Fabricate and assemble the HW and program the SW
- 4) Test by performing an over the air comms demonstration

particulars of improvements to be determined by the project supervisor at the conclusion of the study of the design.

2

\* <sup>17</sup> Project duration:  
(select ONE)

- ☐ Semester 1 for ZEIT4500 and then Semester 2 for ZEIT4501 within the same academic year
- ☐ Semester 1 for **both** ZEIT4500 and ZEIT4501 within the same academic year (i.e. 12 UoCs in one semester)
- ☐ Semester 2 for **both** ZEIT4500 and ZEIT4501 within the same academic year (i.e. 12 UoCs in one semester)
- ☒ Semester 2 for ZEIT4500 and then Semester 1 for ZEIT4501 in the **next** academic year

\* 18 Declaration:

- ☒ Both student and supervisor(s) have read and understood the Graduate Attributes the Student should seek to develop and exhibit when undertaking this work, and understand the academic aptitude and depth of that aptitude that must be exhibited in order to achieve a given mark in this course, as defined in [Thesis Assessment Guidance](#).
- ☒ Under this framework the Student will seek to develop and exhibit skills in research and design, introduced by the Supervisor and members of the Panel, through regular effort, reading, insight, and meeting with the Supervisors.
- ☒ The Supervisors and Panel will progressively provide support and guidance, expanding or re-directing the scope of the Project as possible, to aid the Student's skill development, providing opportunities for the Student to exhibit good research, design and progress.
- ☒ The Student will provide the Project Specific Deliverables indicated above in addition to the assessment common to all students, at the required assessment time.
- ☒ The Supervisor and Panel note this documentation is equitable with that asked in other projects, and they will prepare a component of the mark for this Project from this material.

Make sure your information is correct and complete before clicking 'Submit by email' button. You will receive a copy of your submission as confirmation.

[Submit by email](#)

[Clear all information](#)

