References

* Lecture 1
	+ Dissipation, response, and correlation:
		- Sethna, James P. *Statistical mechanics: entropy, order parameters, and complexity*. Vol. 14. Oxford University Press, USA, 2021.
	+ Rheology of disordered networks:
		- Yucht, M. G., M. Sheinman, and C. P. Broedersz. "Dynamical behavior of disordered spring networks." *Soft Matter* 9.29 (2013): 7000-7006.
		- Rocklin, D. Zeb, et al. "Elasticity of colloidal gels: structural heterogeneity, floppy modes, and rigidity." *Soft Matter* 17.29 (2021): 6929-6934.
		- Chen, Ke, et al. "Low-frequency vibrations of soft colloidal glasses." *Physical review letters* 105.2 (2010): 025501.
* Lecture 2-3
	+ Vector bundle and basics of topological band theory:
		- Sergeev, A. S. "Topological insulators and geometry of vector bundles." *arXiv preprint arXiv:2011.05004* (2020).
		- Asbóth, János K., László Oroszlány, and András Pályi. "A short course on topological insulators." *Lecture notes in physics* 919 (2016): 166.
		- Bernevig, B. Andrei. "Topological insulators and topological superconductors." *Topological Insulators and Topological Superconductors*. Princeton university press, 2013.
	+ 1D Mechanical topological states discussed in lecture:
		- Chaunsali, Rajesh, et al. "Demonstrating an in situ topological band transition in cylindrical granular chains." *Physical review letters* 119.2 (2017): 024301.
		- Chen, H., H. Nassar, and G. L. Huang. "A study of topological effects in 1D and 2D mechanical lattices." *Journal of the Mechanics and Physics of Solids* 117 (2018): 22-36.
* Lecture 4: see references in slides